Directory of Canadian Environmental Experts

Répertoire des spécialistes canadiens de l'environnement

1984

[illegible]

Environment Canada
Environnement Canada

Director of Canadian Environmental Experts

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1984

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FOREWORD

I take pleasure in presenting the fourth edition (1984) of the **Directory of Canadian Environmental Experts**.

The Directory contains the names, organizations and research interests of sources who responded to a questionnaire sent out in November 1983. It updates information contained in the 1982 edition. The survey was conducted for two distinct purposes.

The first objective was an updated national inventory of experts active in various fields of the environmental sciences and related disciplines. The second aim was to contribute Canadian input to INFOTERRA, the international referral network of UNEP the United Nations Environmental Programme. INFOTERRA was established in 1973 following the recommendations of the Stockholm Conference; it became fully operational in 1977.

AVANT-PROPOS

C'est avec plaisir que je présente la quatrième édition du **Répertoire des spécialistes canadiens de l'environnement** (1984).

Ce répertoire contient les noms des spécialistes, des organismes qui ont répondu à un questionnaire envoyé en novembre 1983. Il indique aussi dans quels domaines il poursuivent leurs recherches. C'est une mise à jour du répertoire publié par Environnement Canada en 1982. Le sondage avait deux objectifs distincts.

Le premier objectif était de mettre à jour les répertoire national des spécialistes oeuvrant dans différents secteurs des sciences de l'environnement et dans des disciplines connexes et le deuxième, de fournir l'apport canadien à INFOTERRA, le réseau international de référence du PNUE (Programme des Nations Unies pour l'environnement). Le réseau d'INFOTERRA a été crée en 1973 suite à des recommandations faites lors de la Conférence de Stockholm et est entré en service en 1977.

At present the INFOTERRA network comprises a partnership of over 100 countries with designated organizations to promote the exchange of environmental information. In 1979 the Department of the Environment became the national focal point. More than 70 percent of all respondents have agreed to participate in INFOTERRA by responding to information requests coming from abroad.

It is our hope that the **Directory of Canadian Environmental Experts** will be a useful reference book for the Canadian environmental community.

Aujourd'hui, le réseau compte 100 pays participants qui ont chacun un organisme chargé de promouvoir l'échange de renseignements sur l'environnement. En 1979, le ministère de l'Environnement est devenu le centre canadien de liaison. Plus de 70% des spécialistes qui ont participé à l'enquête ont accepté de collaborer à INFOTERRA en répondant à des demandes de renseignements en provenance de l'étranger.

Nous espérons que le **Répertoire des spécialistes canadiens de l'environnement** deviendra un ouvrage de consultation utile à tous ceux qui s'intéressent à l'environnement au Canada.

Jacques Gérin

Jacques Gérin
Deputy Minister of Environment Canada
Sous-ministre d'Environnement Canada

INTRODUCTION

The 1984 edition of the **Directory of Canadian Environmental Experts** brings together the expertise of sources in government, industry, universities and the public sector. Environment Canada's Departmental Library Services Branch is responsible for the input; the next edition will be published in 1986.

The directory is divided into two parts:

1) an alphabetic listing of experts; and

2) a computer-generated index to the subject expertise of those listed. This was constructed in a keywork-in-context (KWIC) format. Index terms are generated by the computer from the description of the expertise of each source. To avoid an oversized volume only major words of the description are listed in the index and hyphens have been used to create meaningful phrases e.g. WASTE-WATER-TREATMENT. Index terms are not consistent. For example, one may find experts working on AIR-MONITORING by looking up the phrase, others may be listed under MONITORING.

INTRODUCTION

L'édition de 1984 du **Répertoire des spécialistes canadiens de l'environnement** contient une liste des spécialistes provenant des milieux gouvernementaux, de l'industrie, des universités et du secteur public. Le répertoire, dont la prochaine édition paraîtra en 1986, est publié par la Direction des services de bibliothèque d'Environnement Canada.

Il comprend deux parties:

1) une liste alphabétique des spécialistes; et

2) un index informatisé de leurs spécialités de chaque source. Afin que le volume ne soit pas trop massif, seuls les principaux mots-clés de la description sont inscrits et des traits d'union sont utilisés pour créer des expressions, par ex. PLUIES-ACIDES. Les termes de l'index ne sont pas uniformes. Ainsi, on peut trouver des spécialistes des eaux-usées sous l'expression EAUX-USÉES, d'autres sous le terme TRAITEMENT-DES-EAUX.

We wish to express our appreciation to the respondents of our questionnaire for their participation. Suggestions for new sources would be appreciated; names should be sent to A. Bystram at the address below:

A. Bystram

A. Bystram
National Focal Point, INFOTERRA
(Director, Library Services Branch)
Environment Canada
Ottawa, Ontario
K1A 1C7

Nous tenons à remercier de leur participation les personnes qui ont bien voulu répondre à notre questionnaire. Les suggestions de nouvelles sources sont les bienvenues; veuillez les faire parvenir à A. Bystram à l'adresse ci-dessous:

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(Directrice, Services de la bibliothèque)
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K1A 1C7

ABBOTT F S
TECHNICAL SERVICES BR
ENVIRONMENT CANADA
RIVER RD
ENVIRONMENTAL TECHNOLOGY CENTRE
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K1A 1C8

TESTING OIL-SPILL DISPERSANTS; USE OF DISPERSANTS; BIODEGRADATION.

ABOUGUEDIA Z
PLANT ECOLOGIST
SASKATCHEWAN RESEARCH COUNCIL
30 CAMPUS DRIVE
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S7N 0X1

REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

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RESEARCH SCIENTIST
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R3T 2M9

MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS, DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

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ENVIRONMENT CANADA
5320-122 ST
EDMONTON AB
T6H 3S5

VEGETATION INVENTORIES; LAND-CLASSIFICATION.

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PRES
INTERDISCIPLINARY SYSTEMS LTD
966 WAVERLY ST
WINNIPEG MAN
R3T 4M5

SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

ADAMS WP
WATERSHED ECOSYSTEMS PROGRAM
TRENT UNIVERSITY
PETERBOROUGH ONT
K9J 7B8

ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

ADDISON EDWARD M
FISH & WILDLIFE RESEARCH BRANCH
ONT MINISTRY OF NATURAL RESOURCES
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MAPLE ONTARIO
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WILDLIFE DISEASES (GENERAL); WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

ADDISON P A
CANADIAN FORESTRY SERVICE
ENVIRONMENT CANADA
5320 122 ST
EDMONTON ALTA
T6H 3S5

AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

AFGHAN B K
CANADA CENTRE FOR INLAND WATERS
ENVIRONMENT CANADA
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BURLINGTON ONT
L7R 4A6

ANALYTICAL CHEMIST WITH RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.

AHMAD IJAZ
CHEMISTRY WING
ALBERTA ENVIRONMENTAL CENTRE
BAG 4000
VEGREVILLE ALTA
T0B 4L0

ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

AKENHEAD S A
NORTHWEST ATLANTIC FISHERIES CENTRE
DEPT OF FISHERIES & OCEANS
PO BOX 5667
ST JOHN'S NFLD
A1C 5X1

FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT, ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.

AKHTAR HUMAYOUN RESEARCH SCIENTIST ARC AGRICULTURE CANADA NEATBY BLDG OTTAWA ONT K1A 0C6	SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.
ALBRIGHT L J DEPARTMENT OF BIOSCIENCES SIMON FRASER UNIVERSITY BURNABY BC V5A 1S6	INFLUENCES OF POLLUTANTS UPON MICROORGANISMS WITHIN AQUATIC-ENVIRONMENTS.
ALEKSIUK MICHAEL SECTION HEAD AQUATIC ENVIRONMENTS SYNCRUDE CANADA LTD 10030 - 107 STREET EDMONTON ALTA T5J 3E5	IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.
ALEMDAG IS RESEARCH SCIENTIST PETAWAWA NATIONAL FOREST INSTITUTE CANADIAN FORESTRY SERVICE CHALK RIVER ONT K0J 1J0	FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.
ALLEN EAD DR DEPT OF BOTANY UNIVERSITY OF ALBERTA EDMONTON ALTA T6G 2E2	AQUATIC MACROPHYTES; LIMNOLOGY
AMBLER D C WATER RESOURCES BR HYDROLOGY DIV INLAND WATERS DIRECTORATE ENVIRONMENT CANADA 45 ALDERNEY DR DARTMOUTH NS B2Y 2N6	SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.
ANDERSON H W ONTARIO MIN OF NATURAL RESOURCES ONT TREE IMPROVEMENT & FOREST BIOMASS INSTITUTE MAPLE ONT L0J 1E0	BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.
ANDERSON J M ANDERSON CONSULTANTS INC PO BOX 547 ST ANDREWS N B E0G 2X0	FISHERIES RESEARCH AND DEVELOPMENT, IN PARTICULAR THE FIELDS OF AQUACULTURE AND SALMONID ENHANCEMENT STRATEGIES; EDUCATION AND TRAINING A SPECIALTY.
ANDERSON P D CONCORDIA UNIVERSITY 1435 DRUMMOND STREET MONTREAL QUE H3E 1M8	PRIMARY FOCUS OF RESEARCH IS THE DEVELOPMENT OF MODELS FOR THE ASSESSMENT OF THE TOXICITY OF MIXTURES OF ENVIRONMENTAL POLLUTANTS TO AQUATIC-ORGANISMS. OTHER STUDIES INVESTIGATE THE ROLE OF BIOLOGICAL FACTORS (E.G. SIZE, SPECIATION) ON TOXICITY TOLERANCE; TOXICO-KINETICS AND MECHANISMS.
ANDREYCHUK EP AL STANLEY-IEC CONSULTANTS LTD 10512 169 ST EDMONTON ALTA T5P 3X6	CONDUCT WASTEWATER AND HYDROLOGY WATER-QUALITY STUDIES; PREPARE ENVIRONMENTAL-IMPACT-ASSESSMENT STUDIES.
ANTHONY E J CANMET ENERGY MINES & RESOURCES CANADA 555 BOOTH ST OTTAWA ONT K1A 0G1	COMBUSTION AND RELATED EXPERTISE ESPECIALLY WHERE RELATED TO THE BURNING OF COAL.

ARCHDEKIN LW REID CROWTHER & PARTNERS LTD ENVIRONMENTAL DIVISION 7410 BLACKFOOT TRAIL SE CALGARY ALTA T2H 1M5	URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.
ARCHIBALD FS MCGILL UNIVERSITY DEPT OF MICROBIOLOGY & IMMUNOLOGY 3775 UNIVERSITY ST MONTREAL QUE H3A 2B4	MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.
ARGUS G W NATIONAL MUSEUM OF NATURAL SCIENCES BOTANY DIV OTTAWA ONT K1A OM8	SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.
ARNAC MICHEL-JEAN UNIVERSITE DU QUEBEC 300 AV DES URSULINES RIMOUSKI QUEBEC G5L 3A1	CONTAMINATION D'ORGANISMES MARINS PAR LES METAUX (CD, CA, PB, ZN). DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES-SOLUBLES.
ASHBROOK A W MANAGER R&D ELDORADO NUCLEAR LTD R&D DIVISION 400-255 ALBERT STREET OTTAWA ONTARIO K1P 6A9	CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.
ATKINSON A B PROGRAM IN MED LAB TECHNOLOGY FANSHAWE COLLEGE PO BOX 4005 LONDON ONT N5W 5H1	HAEMATOLOGY AND IMMUNOHAEMATOLOGY. INTERESTED IN EFFECTS OF ENVIRONMENT ON BLOOD-MORPHOLOGY AND INHERITANCE PATTERNS.
ATTON F M CONSULTANT 412 LESLIE AVE SASKATOON SASK S7H 2Z1	LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.
AUSTIN A P BIOLOGY UNIVERSITY OF VICTORIA VICTORIA BRITISH COLUMBIA V8W 2Y2	MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.
AYLES GB RESEARCH SCIENTIST FRESHWATER INSTITUTE DEPT OF FISHERIES AND OCEANS 501 UNIVERSITY CRESCENT WINNIPEG MANITOBA R3T 2N6	RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.
BAILEY LD RESEARCH BR AGRICULTURE CANADA BOX 610 BRANDON MAN R7A 5Z7	RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.

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PROFESSOR
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PESTICIDES AND HERBICIDE RESIDUES IN SOIL AND WATER; METHODS OF CONFIRMATION.

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TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

BAMBROUGH HA
INDUSTRIAL PROGRAMS BRANCH EPS
ENVIRONMENT CANADA PVM
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CONTROL TECHNOLOGY FOR EMISSIONS TO ATMOSPHERE FROM FOSSIL FUEL-FIRED ELECTRICITY GENERATING UNITS, STEAM AND GAS TURBINE-DRIVEN.

BARCLAY-ESTRUP P
APIOS TERRESTRIAL EFFECTS DIV
BIOLOGY DEPT LAKEHEAD UNIVERSITY
THUNDER BAY ONT
P7B 5E1

VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

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LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

BARIL M
DEPARTEMENT DE PHYSIQUE
UNIVERSITE LAVAL
QUEBEC QUE
G1K 7P4

ETUDE PAR SPECTROMETRIE DE MASSE DES EMPREINTES CARACTERISANT LES SOURCES POLLUANTES D'AEROSOLS ATMOSPHERIQUES ACIDIFIANTS. (AEROSOLS).

BARKER DJ
TM THOMSON AND ASSOCIATES
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PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

BARRY P J
CHALK RIVER NUCLEAR LABORATORIES
ATOMIC ENERGY OF CANADA LTD
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METEOROLOGICAL AND HYDROLOGICAL PROCESSES AT THE INTERFACE BETWEEN AIR-WATER, AIR-GROUND.

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STUDIES OF AIRBORNE POLLEN IN CANADA AND THEIR ALLERGENIC SIGNIFICANCE.

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PLANT-NUTRIENT RESPONSE AND TOXICITY. HEAVY-METAL AVAILABILITY TO PLANTS, SOIL-FERTILITY.

BAWEJA A S
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WASTE MANAGEMENT BRANCH
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SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

BAYLY ISABEL DR
BIOLOGY DEPT
CARLETON UNIVERSITY
OTTAWA ONT
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DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS; WATER-QUALITY. ACID-PRECIPITATION EFFECTS ON FOREST SEEDLINGS.

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ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

BEAUMONT GASTON
PROFESSEUR
DEPT DE BIOLOGIE
FACULTE DES SCIENCES
UNIVERSITE DE SHERBROOKE
SHERBROOKE QUEBEC
J1K 2R1

LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES. LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES: CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

BEAVEN DIANNE J
MANITOBA FORESTRY ASSOC INC
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PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

BECKETT PJ
ASST PROFESSOR
LAURENTIAN UNIVERSITY
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P3E 2C6

USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

BEHARRIELL RH
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M5R 2S1

EDITOR OF PROBE-POST: CANADA'S ENVIRONMENTAL MAGAZINE. PROBE-POST FEATURES ARTICLES, NEWS AND ANALYTICAL COMMENT ON A WIDE RANGE OF ENVIRONMENTAL ISSUES, SUCH AS ACID-RAIN, PESTICIDES, TOXIC-WASTES, AND ENERGY-CONSERVATION.

BELL GORDON R
RESEARCH SCIENTIST
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PACIFIC BIOLOGICAL STATION
NANAIMO BC
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IDENTIFICATION, CHARACTERIZATION, PREVENTION CONTROL OR THERAPY OF INFECTIOUS DISEASES OF COMMERCIALLY IMPORTANT FISHES, PARTICULARLY SALMON.

BELTAOS S
CANADA CENTRE FOR INLAND WATERS
PO BOX 5050 867 LAKESHORE RD
BURLINGTON ONT
L7R 4A6

RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.

BERGERON JM
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IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

BERGERON MICHEL
DIRECTION DES PRODUITS CHIMIQUES COMMERCIAUX
ENVIRONNEMENT CANADA
141EME ETAGE PLACE VINCENT MASSEY
OTTAWA ON
K1A 1C8

PREPARER ET EVALUER LES RAPPORTS CONFIDENTIELS EN PROVENANCE DE L'INDUSTRIE CANADIENNE CONCERNANT LA FABRICATION OU/ET L'IMPORTATION DE NOUVEAUX PRODUITS CHIMIQUES EN RELATION AVEC LA SOUS-SECTION 4(6) DE LA LOI CANADIENNE DES CONTAMINANTS DE L'ENVIRONNEMENT ET TRAVAILLER A DES PROJETS SPECIAUX TEL QU'UN DOSSIER D'EVALUATION DES COLORANTS.

BERKES DR F
INST URBAN & ENVIRONMENTAL STUDIES
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L2S 3A1

LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

BERMAN S S CHEMISTRY DIVISION NATIONAL RESEARCH COUNCIL OTTAWA ONTARIO K1A 0R9	TRACE-METAL ANALYSIS, PARTICULARLY IN MARINE MATERIALS. TRACE-METAL SEPARATIONS AND PRECONCENTRATION. INSTRUMENTAL-ANALYSIS.
BERNHART A P CONSULTANT A P BERNHART ASSOC LTD 23 CHERITAN AVE TORONTO ONT M4R 1S3	ENVIRONMENTAL PLANNING AND ENGINEERING CONCERNING THE FUTURE OF OUR SOCIETY.
BETTS J L WATER POLLUTION CONTROL DIR ENVIRONMENT CANADA OTTAWA HULL K1A 1C8	PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION-ABATEMENT TECHNOLOGY.
BEWERS J M ATLANTIC OCEANOGRAPHIC LABORATORY BEDFORD INST OF OCEANOGRAPHY DEPT OF FISHERIES AND OCEANS DARTMOUTH N S B2Y 4A2	GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.
BEWTRA J K CIVIL ENGINEERING UNIVERSITY OF WINDSOR WINDSOR ONTARIO N9B 3P4	WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.
BIDGOOD FB DR FISH & WILDLIFE DIV ALBERTA DEPT OF ENERGY AND NATURAL RESOURCES 6909 116 ST EDMONTON ALTA T6H 4P2	FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS. PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.
BIRD P M CORPORATE PLANNING GROUP ENVIRONMENT CANADA OTTAWA ONT K1A 1C7	HEADED NATIONAL RADIATION-PROTECTION PROGRAM. PARTICIPATION IN INTERGOVERNMENTAL POLICY MEETINGS. DIRECTED DEVELOPMENT OF CLEAN-AIR-ACT. MEMBER OF ENVIRONMENTAL-ASSESSMENT PANEL. CURRENTLY WORKING ON PREPARATION OF NATIONAL STATE OF THE ENVIRONMENT REPORT.
BIRKBECK A E B C RESEARCH 3650 WESTBROOK MALL VANCOUVER BC V6S 2L2	INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT. WATER-RECIRCULATION (EG. FISH-HATCHERIES). LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.
BLAIR NANCY INST FOR RESOURCE & ENVIRONMENTAL STUDIES DALHOUSIE UNIV 1312 ROBIE ST HALIFAX NS B3H 3E2	RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
BLOKPOEL H CANADIAN WILDLIFE SERVICE ONTARIO REGION ENVIRONMENT CANADA 1725 WOODWARD DR OTTAWA ONT K1A 0E7	BIOLOGICAL ASPECTS OF THE BIRD-AIRCRAFT-COLLISION PROBLEM. BIRD-DETECTION ALOFT USING RADAR.
BOADWAY J D DEPT OF CIVIL ENGINEERING QUEEN'S UNIVERSITY KINGSTON ONTARIO K7L 3N6	SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

BOALS RG WATER RESOURCES BR INLAND WATERS DIRECTORATE ENV CONSERVATION SER ENVIRONMENT CANADA OTTAWA ONT K1A 0E7	WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT-DATA IN DATA-BANKS (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BANKS CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.
BOBEE B INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE EAU (INRS-EAU) UNIVERSITE DU QUEBEC (A QUEBEC) QUEBEC PQ G1V 4C7	STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.
BOLDUC RJ STATION DE RECHERCHES AGRICULTURE CANADA 2560 BOUL HOCHELAGE STE FOY PQ G1V 2J3	PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.
BOLE J B AGRICULTURE CANADA RESEARCH STATION LETHBRIDGE ALBERTA T1J 4B1	WASTEWATER-IRRIGATION. FERTILIZER USE EFFICIENCY.
BOLUBASH G M CONSUMERS GAS CO LTD PO BOX 650 SCARBOROUGH ONT M1K 5E3	RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.
BOND W K LANDS DIRECTORATE LAND USE ANALY ENVIRONMENT CANADA PLACE VINCENT MASSEY 20TH FL OTTAWA ONT K1A 0E7	LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL-GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND-RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.
BONGA JAN M ENVIRONMENT CANADA MARITIMES FOREST RESEARCH CENTER P O BOX 4000 FREDERICTON N B E3B 5P7	CONIFER TISSUE-CULTURE. CONIFER CYTOLOGY.
BOSTON N E J PACIFIC OCEAN SCIENCES 107F DISCOVERY PARK 3700 GILMORE WAY BURNABY B C V5G 4M1	PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.
BOULIANE P FORET MONTMORENCY UNIVERSITE LAVAL CITE UNIVERSITAIRE SAINTE FOY QUE G1K 7P4	STATION FORESTIERE POUR L'ENSEIGNEMENT UNIVERSITAIRE ET SUPPORT A DES ACTIVITES DE RECHERCHES. REALISATION D'UN PROGRAMME D'AMENAGEMENT FORESTIER POLYVALENT. EDUCATION-POPULAIRE SUR LA FORET.
BOURNE DR N PACIFIC BIOLOGICAL STATION DEPT OF FISHERIES AND OCEANS PO DRAWER 100 NANAIMO BC V9R 5K6	BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

BOWEN MURRAY G
WORLD FORESTRY INFORMATION GROUP
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ENVIRONMENT CANADA
OTTAWA ONT
K1A 1G5

COLLECTING, EVALUATING, ANALYZING AND REPORTING INFORMATION ON FOREST-RESOURCES OF CANADA AND THE USA AND REST OF THE COUNTRIES OF THE WORLD THAT HAVE SIGNIFICANT FOREST-RESOURCES AND/OR FOREST-MANAGEMENT PRACTICES AND THEIR TRADE IN FOREST-PRODUCTS.

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TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

BOYCE F M
DEPT OF THE ENVIRONMENT
HYDRAULICS RESEARCH DIVISION
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CIRCULATION AND THERMAL STRUCTURE OF LARGE LAKES. INSTRUMENTATION, FIELD MEASUREMENTS, DATA-PROCESSING AND ANALYSIS OF THE ABOVE.

BOYD F C
HABITAT MANAGEMENT DIRECTORATE
FISHERIES AND OCEANS CANADA
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V6E 2P1

SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT ASSESSMENTS; MULTIPLE-USE-PLANNING AND POLICY DEVELOPMENT.

BOYD H
CANADIAN WILDLIFE SERVICE
ENVIRONMENT CANADA
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STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.

BOYLE A R
ELECTRICAL ENGINEERING
UNIVERSITY OF SASKATCHEWAN
SASKATOON SASKATCHEWAN
S7N OWO

AUTOMATED CARTOGRAPHY AND GEOGRAPHIC-INFORMATION SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FORESTRY-MANAGEMENT.

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GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

BOYLE TG
PETAWAWA NATIONAL FORESTRY INST
CANADIAN FORESTRY SERVICE
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CHALK RIVER ONT
KOJ 1JO

PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

BRENNER J E
BC GOVT INSPECTION AND ENGINEERING
MINISTRY OF ENGINEERING MINISTRY OF
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ROOM 105 525 SUPERIOR ST
VICTORIA BC
V8V 1T7

ENVIRONMENTAL PROBLEMS IN CONJUNCTION WITH ROAD AND BRIDGE CONSTRUCTION IN WILDERNESS AREAS, PRIOR TO COMMENCEMENT OF A PROJECT. THIS INCLUDES ROUTE STUDIES TO ENSURE ONLY MINIMAL ENVIRONMENTAL DAMAGE.

BRIERE M FRANCOIS
PROFESSEUR AGREGE
ECOLE POLYTECHNIQUE
CAMPUS DE L'UNIVERSITE DE MONTREAL
C P 6079 SUCCURSALE A
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EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.

BRODEUR JULES
DEPT DE MEDECINE DU TRAVAIL ET
D'HYGIENE DU MILIEU
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TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

BROTHERS J ALFRED
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DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

BROUGHTON E
VETERINARY PATHOLOGIST
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J8Y 1V9

WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.

BROUGHTON ERIC R
E R BROUGHTON ASSOCIATES LTD
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ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES, SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

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LAND RESOURCE SCIENCE
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AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

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ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

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THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.

BROWN R M
CHALK RIVER NUCLEAR LABORATORIES
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ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

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WALTER BROWN ASSOCIATES
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INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

BROWNE K W
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PESTICIDE-LEGISLATION, WITH INTEREST IN CHEMICALS MODE OF ACTION AND DELIVERY EQUIPMENT.

BRUCE WR
LUDWIG INSTITUTE FOR CANCER RES
TORONTO BRANCH
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M4Y 1M4

RELATION BETWEEN DIET AND COLON AND BREAST CANCER AND THE POSSIBILITY OF PREVENTING THESE DISEASES.

BRUNSKILL G T FRESHWATER INSTITUTE FISHERIES & OCEANS CANADA 501 UNIVERSITY CRESCENT WINNIPEG MAN R3T 2N6	ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.
BRYANT C R FACULTY OF ENVIRONMENTAL STUDIES UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.
BRYDGES T G ONTARIO WATER RESOURCES COMMISSION 135 ST CLAIR AVE WEST TORONTO ON M4V 1P5	CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.
BRYDON J E COMMERCIAL CHEMICALS BR ENVIRONMENTAL PROTECTION SERVICE ENVIRONMENT CANADA OTTAWA ONT K1A 1C8	CONTROL OF TOXIC-CHEMICALS, ASSESSMENT OF HAZARD. ENVIRONMENTAL CONTAMINATION.
BULLEY N R BIO-RESOURCE ENGINEERING 2357 MAIN MALL UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.
BURGER C A ONTARIO MINISTRY OF ENVIRONMENT PO BOX 213 MICROBIOLOGY SECTION REXDALE ONT M9W 5L1	MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.
BURNEY JR DEPT OF AGRICULTURAL ENGINEERING TECHNICAL UNIVERSITY OF NOVA SCOTIA PO BOX 1000 HALIFAX NS B3J 2X4	SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.
BURPEE LL DEPT OF ENVIRONMENTAL SCIENCE UNIVERSITY OF GUELPH GUELPH ONT N1G 2W1	PLANT-PATHOLOGY; BIOLOGY AND CONTROL OF SOIL-BORNE PATHOGENIC FUNGI ON WHEAT AND TURFGRASSES.
BUTLER G C DIRECTOR DIVISION OF BIOLOGY NATIONAL RESEARCH COUNCIL OF CAN OTTAWA ONT K1A OR6	ECOTOXICOLOGY; RADIATION-PROTECTION; THIRD-WORLD SCIENCE.
BYSTRAM AGATHA M DIRECTOR LIBRARY SERVICES DEPT OF THE ENVIRONMENT OTTAWA ONT K1A 1C7	PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.
CALLIN EA ENVIRO-TEST LABS 9936 67 AVE EDMONTON ALTA T6E OP5	ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

CAMERON DR B GEOLOGY DEPT ACADIA UNIVERSITY WOLFVILLE NS BOP 1XO	COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER-ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.
CAMERON R D CAMERON ADVISORY SERVICES LTD 1720 SCOTT ROAD VANCOUVER BC V7J 3J5	SOLID-WASTE COLLECTION, TREATMENT DISPOSAL. MUNICIPAL UTILITIES DESIGN, CONSTRUCTION MANAGEMENT. WASTEWATER-TREATMENT AND DISPOSAL.
CAMPBELL EVANGELINE MANAGER WATDOC INLAND WATERS DIRECTORATE ENVIRONMENT CANADA OTTAWA ONT K1A OE7	PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.
CANTIN M SERVICE DE DOCUMENTATION INRS - EAU UNIVERSITE DU QUEBEC CP 7500 SAINTE-FOY QUE G1V 4C7	INRS-EAU FAVORISE LE TRANSFERT DE L'INFORMATION SCIENTIFIQUE ET L'ACCES RAPIDE A LA LITTERATURE INTERNATIONALE, EN DIFFUSANT AUPRES DE LA COMMUNAUTE SCIENTIFIQUE LES RESULTATS DES RECHERCHES A L'INTERIEUR DES AXES DE RECHERCHE SUIVANTS: HYDROLOGIE, ASSAINISSEMENT, CHIMIE, BIOLOGIE, AMENAGEMENT DE LA RESSOURCE EAU.
CARBONNEAU JM SERVICE DE LA PROTECTION DE L'ENVIRONNEMENT DIR DES PRODUITS CHIMIQUES COMMERCIAUX ENVIRONNEMENT CANADA OTTAWA ON K1A 1C8	UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUP LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).
CARLISLE DR DB ENVIRONMENTAL MANAGEMENT SERVICE ENVIRONMENT CANADA PLACE VINCENT MASSEY OTTAWA,ONT K1A OE7	EFFECTS OF WATER-CONTAMINATION ON THE PHYSIOLOGY OF AQUATIC-ORGANISMS.
CARLISLE J A CARLISLE CONSULTANTS BOX 1741 17 SPRING ST DEEP RIVER ONT KOJ 1PO	FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.
CARLSON LW CANADIAN FORESTRY SERVICE ENVIRONMENT CANADA PLACE VINCENT MASSEY OTTAWA ONT K1A OE7	DIRECTOR OF FOREST-RESEARCH AND DEVELOPMENT. SILVICULTURE AND FOREST-PATHOLOGY.
CARSTENS DR EB DEPT OF MICROBIOLOGY A D IMMUNOLOGY QUEEN'S UNIVERSITY KINGSTON ONT K7L 3N6	MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.
CARSWELL A I DEPT OF PHYSICS YORK UNIVERSITY 4700 KEELE STREET TORONTO ONT M3J 1P3	LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.
CARTER J A MARTEC LTD 5670 SPRING GARDEN RD HALIFAX NS B3J 1H6	BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.

CARTY A J
CHEMISTRY DEPT
UNIVERSITY OF WATERLOO
WATERLOO ONTARIO
N2L 3G1

HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

CASE BIOMANAGEMENT CONSULTANTS LTD
PO BOX 502 STN G
CALGARY ALTA
T3A 2G4

AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

CASE J W
DEPT OF PHYSICS
FACULTY OF SCIENCE
UNIVERSITY OF CALGARY
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T2N 1N4

USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

CECH M Y
FORINTEK CANADA CORP
800 MONTREAL RD
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K1G 3Z5

WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING, TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

CHAI C Y
REED INC
207 QUEEN'S QUAY WEST
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PULP-AND-PAPER MILL INPLANT CONTROL AND EFFLUENT TREATMENT-SYSTEM.

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SAINT-ROMUALD QUE
G6W 2X4

ETUDE SUR LE DESTIN DES ENGRAIS CHIMIQUES A LONG TERME ET LEUR EFFET SUR LES PROPRIETES DU SOL. EXAMEN DES SOLS EN PROFONDEUR DANS DES PARCELLES DE CHAMPS VOUES AUX GRANDES CULTURES; PRAIRIES, CEREALES, MONOCULTURE DE MAIS ETC.

CHAMP D R
ATOMIC ENERGY OF CANADA RESEARCH CO
HEALTH SCIENCES DIV
CHALK RIVER NUCLEAR,LABS
CHALK RIVER ONT
KOJ 1JO

BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

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CHAPPELL M S
ENERGY PROJECT
NATIONAL RESEARCH COUNCIL
BLDG M 50 MONTREAL ROAD
OTTAWA ONT
K1A OR6

CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

CHARLESWORTH DH
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ENVIRONMENTAL-PROTECTION RELATED TO THE STUDY AND USE OF NUCLEAR-ENERGY. RADIOACTIVE-WASTE MANAGEMENT.

CHAU Y K
RESEARCH SCIENTIST
DEPT OF THE ENVIRONMENT
CANADA CENTRE FOR INLAND WATERS
LAKESHORE ROAD
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INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION. SPECIATION ANALYSIS OF ORGANOMETALS.

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BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

CHERIAN DR M G
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ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

CHIBA M DR
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LOR 2EO

PESTICIDE-RESIDUE ANALYSIS: METHOD DEVELOPMENT TO TRACE FATE OF PESTICIDES.

CHIENG S
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DEPT OF BIO RESOURCE ENGINEERING
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RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

CHILIBECK J J
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HALIBURY ONT
POJ 1KO

INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

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GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

CHOQUETTE PAUL J
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ENVIRONMENTAL PROTECTION SERVICE
ENVIRONMENT CANADA
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ASSESSMENT AND CONTROL OF HUMAN-THREATS TO THE ENVIRONMENT FROM ALL SECTORS OF THE CANADIAN ECONOMY, INDUSTRIAL OR OTHER. (TRANSPORTATION-SYSTEMS, URBAN ACTIVITIES, ETC.)

CHOW Y L
CHEMISTRY
SIMON FRASER UNIVERSITY
BURNABY B C
V5A 1S6

INVESTIGATION OF NITRITE-NITRATE-N-NICROSO COMPOUND CHAINS IN ENVIRONMENTAL SAMPLES. FORMATION, OCCURRENCE AND DESTRUCTION OF CHLORINATED-COMPOUNDS IN THE HUMAN ENVIRONMENT.

CIHLAR J
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APPLICATIONS OF REMOTE-SENSING TECHNIQUES (AIRBORNE AND SATELLITE) TO THE INVENTORY, MONITORING AND MANAGEMENT OF NATURAL-RESOURCES.

CLARK A G
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TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

CLARK JA ONTARIO MINISTRY OF ENVIRONMENT PO BOX 213 MICROBIOLOGY SECTION REXDALE ONT M9W 5L1	MICROBIOLOGICAL-ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION-INDICATOR BACTERIA
CLAYTON J W DEPARTMENT OF FISHERIES AND OCEANS FRESHWATER INSTITUTE 501 UNIVERSITY CRESCENT WINNIPEG MAN R3T 2N6	BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.
CLODMAN STEPHEN ENVIRONMENT CANADA ATMOSPHERIC ENVIRONMENT SERVICE 4905 DUFFERIN STREET DOWNSVIEW ONTARIO M3H 5T4	SHORT-RANGE COMPUTER WEATHER-FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.
CLUIS DANIEL INRS EAU UNIVERSITE DU QUEBEC C P 7500 STE FOY QUE G1V 4C7	SERIES DE TEMPS EN SCIENCES DE L'EAU; RATIONALISATION DE RESEAU; DETECTION DE TENDANCES.
COAKLEY JOHN P CANADA CENTRE FOR INLAND WATERS DEPT OF THE ENVIRONMENT 867 LAKESHORE ROAD P O BOX 5050 BURLINGTON ONTARIO L7R 4A6	POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL-ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE CONSERVATION IN THE FACE OF INDUSTRIAL AND RECREATIONAL-DEVELOPMENT OF THE COASTAL-ZONE.
COLBY P J FISHERIES RESEARCH SECTION WALLEYE UNIT ONTARIO MINISTRY OF NATURAL RES P O BOX 5000 435 JAMES ST THUNDER BAY ONT P7C 5G6	RESPONSE OF FISH-POPULATIONS (PRIMARILY WALLEYE) AND COMMUNITIES TO PERTURBATIONS.
COOK JD ENVIRONMENTAL COORDINATION IMPERIAL OIL LIMITED 111 ST CLAIR AVE WEST ROOM 525 TORONTO ONT M5W 1K3	ENVIRONMENTAL COORDINATION CONTACT FOR IMPERIAL OIL LIMITED, ITS OPERATING FUNCTIONS AND SUBSIDIARIES.
COOPER EL ATOMIC ENERGY OF CANADA RESEARCH CO HEALTH SCIENCES DIV. CHALK RIVER NUCLEAR LABS CHALK RIVER ONT KOJ 1JO	ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.
COOTE D R LAND RESOURCE RESEARCH INSTITUTE AGRICULTURE CANADA 3035 K W NEATBY BLDG CENTRAL EXPERIMENTAL FARM OTTAWA ONT K1A OC6	SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.
CORMACK A C ENVIRONMENT AND SAFETY DIVISION PETRO CANADA 240 DUNCAN MILL RD DON MILLS ONT M3B 3B2	SAFETY AND ENVIRONMENTAL MATTERS IN THE PETROLEUM-INDUSTRY.

CORNETT RJ ATOMIC ENERGY OF CANADA LTD ENVIRONMENTAL RESEARCH BR CHALK RIVER NUCLEAR LABS CHALK RIVER ONT KOJ 1JO	TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.
CORNWALL B AIRFLOW DEVELOPMENTS CANADA LTD 1281 MATHESON MISSISSAUGA ONT L4W 1R1	FLUE-DUST SAMPLING. METEOROLOGY.
COTE P A LABORATOIRE DU SERVICE L'AQUEDUC DE QUEBEC 2480 DE LA CANARDIERE QUEBEC QUE G1J 2G1	CONTROLE DE QUALITE DE L'EAU POTABLE (EAU-POTABLE).
COUILLARD DENIS PROFESSEUR-INGENIEUR INRS - EAU C P 7500 STE-FOY QUEBEC G1V 4C7	CARACTERISTIQUES DES EAUX-USEES, MODELES EN RIVIERES, TRAITEMENTS-DES-EAUX USEES, PLANIFICATION ET GESTION DES EAUX-USEES, EVALUATION DES IMPACTS.
COUTURE PIERRE UNIVERSITE DU QUEBEC INRS EAU 2700 EINSTEIN STE-FOY QUE G1V 4C7	UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIREE) POUR DETERMINER LA QUALITE DE L'EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE.
CRABBE R S BUILDING M-10 NAT AERONAUTICAL ESTABLISHMENT NATIONAL RESEARCH COUNCIL OTTAWA ONTARIO K1A OR6	DEPOSITION AND DISPERSION OF PARTICULATES IN THE ATMOSPHERE; DESIGN OF PARTICULATE-SIZING INSTRUMENTATION.
CRAIN IK CANADA LANDS DATA SYSTEMS ENVIRONMENT CANADA PLACE VINCENT MASSEY OTTAWA ONT K1A OE7	GEOGRAPHIC INFORMATION-SYSTEMS, GRAPHIC PRESENTATION OF ENVIRONMENTAL DATA, LAND-RESOURCE DATA-SYSTEMS.
CRANDLEMIRE A L NOVA SCOTIA RESEARCH FOUNDATION CORP PO BOX 790 100 FENWICK ST DARTMOUTH NS B2Y 3Z7	ENVIRONMENTAL QUALITY-MONITORING, ASSESSMENT AND SURVEY-DESIGN: AIR, WATER, SOIL.
CUNNINGHAM JOHN C INSECT PATHOLOGY RES INSTITUTE P O BOX 490 SAULT STE MARIE ONTARIO P6A 5M7	USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.
CURRIE ROBERT A SUPV FOOD CHEMISTRY FOOD LAB ALBERTA AGRICULTURE 6909-116 STREET EDMONTON ALBERTA T6H 4P2	MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
CURTIS FA REGIONAL SYSTEMS ENGINEERING UNIVERSITY OF REGINA REGINA SASK S4S OA2	ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.

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CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL; LOISIR ORNITHOLOGIQUE.

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PLANNING, COORDINATING AND DIRECTING, PROVIDING OF TECHNICAL EXPERTISE IN BIOLOGICAL OXIDATION, AIR AND WATER-EMISSIONS AND OIL-SPILL PROBLEMS INCLUDING ORGANIZATION AND TEACHING AT AN OIL-SPILL SCHOOL.

CZUBA M
ECOTOXICOLOGY BIOLOGICAL SCIENCES
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PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

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HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

D'AURIA J M
SIMON FRASER UNIVERSITY
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DEVELOPMENT OF USE OF BIOLOGICAL-ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

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ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

DADSWELL MICHAEL JOHN
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BIOLOGICAL STATION
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ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

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DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

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POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

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INFLUENCE OF FOREST-COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER.

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AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

DAVIDSON WM R SCIEX 55 GLEN CAMERON RD NO 202 THORNHILL ONT L3T 1P2	MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.
DAVIES R W ASSOCIATE PROFESSOR DEPT OF BIOLOGY UNIVERSITY OF CALGARY CALGARY ALBERTA T2N 1N6	ANALYSIS OF THE EFFECTS OF PERTURBATIONS BOTH NATURAL AND MAN-INDUCED ON MACROBENTHOS OF LAKES AND RIVERS. EMPHASIS ON THE EFFECTS OF CHLORINE AND CHANGES IN SUSPENDED AND DEPOSITED SEDIMENTS.
DAVIS A R CHIEF WATER QUALITY OBJECTIVES ENVIRONMENT CANADA OTTAWA ONT K1A OE7	EXPERTISE IN THE FIELD OF WATER-QUALITY MANAGEMENT. ESPECIALLY IN WATER-QUALITY OBJECTIVES AND STANDARDS CHEMISTRY OF FRESHWATER-SYSTEMS.
DAVIS DR E UNIVERSITY OF SASKATCHEWAN SASKATOON SASK S7N OWO	BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES.
DEFREITAS A S W NATIONAL RESEARCH COUNCIL ATLANTIC RESEARCH LABORATORY 1411 OXFORD ST HALIFAX N S B3H 3Z1	ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR-SPECIES.
DEMAYO A WATER QUALITY DIVISION ENVIRONMENT CANADA 7TH FLOOR PVM OTTAWA ONT K1A OE7	ENVIRONMENTAL DATA AND MANAGEMENT INFORMATION SYSTEMS, WATER-QUALITY DATA COLLECTION AND INTERPRETATION, ORGANIZATION AND EVALUATION OF PROGRAMS.
DERKSEN A J FISHERIES BR MANITOBA DEP NATURAL RESOURCES BOX 40 1495 ST JAMES ST WINNIPEG MAN R3H OW9	FISHERIES-BIOLOGY, ENVIRONMENTAL FACTORS AFFECTING FISH, FISH-HABITAT PROTECTION, WATER-QUALITY ASPECTS IN GENERAL, MERCURY IN FISH.
DERMOTT R FISHERIES & OCEANS CANADA GREAT LAKES BIOLIMNOLOGY LAB PO BOX 5050 BURLINGTON ONT L7R 4A6	INVERTEBRATE-ECOLOGY, TAXONOMY OF GREAT-LAKES BOTTOM FAUNA.
DEVRIES J DEPT OF SOIL SCIENCE UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 2A2	HYDROLOGY OF MOUNTAIN SLOPES. WATER AND SOIL-MANAGEMENT OF LOWLAND SOILS USED FOR AGRICULTURE.
DICK J G CONCORDIA UNIVERSITY CHEMISTRY DEPT ROOM 1141 MONTREAL P Q H3G 1M8	STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.
DICK R BARRINGER RESEARCH LTD 304 CARLINGVIEW DRIVE REXDALE ONT M9W 5G2	DESIGN, MANUFACTURE AND OPERATION OF INSTRUMENTATION FOR REMOTE-SENSING OF ENVIRONMENTAL POLLUTION.

DICKISON RBB DEPT OF FORESTRY UNIVERSITY OF NEW BRUNSWICK FREDERICTON N B E3B 6C2	CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.
DICKMAN M ASSOCIATE PROFESSOR BROCK UNIV BIOLOGICAL SCIENCES DEPT ST CATHARINES ONT L2S 3A1	AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.
DICKSON LIU NATIONAL WATER RESEARCH INSTITUTE 867 LAKESHORE ROAD BURLINGTON ONT L7R 4A6	BIODEGRADATION AND TOXICITY-ASSESSMENT OF TOXIC-SUBSTANCES; INDUSTRIAL WASTEWATER-TREATMENT, BIOTECHNOLOGY DEVELOPMENT IN ENERGY AND RESOURCES.
DILLON P LIMNOLOGY SECTION ONTARIO MINISTRY OF THE ENVIRONMENT DORSET RESEARCH CENTRE PO BOX 39 DORSET ONT POA 1EO	EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.
DIMMA DIANNE MINISTRY OF THE ENVIRONMENT 880 BAY ST SUITE 347 PHYTOTOXICOLOGY SECTION TORONTO ONT M5S 1Z8	DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.
DOANE JF RESEARCH STATION AGRICULTURE CANADA 107 SCIENCE CR SASKATOON SASK S7N OX2	BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.
DOBSON H CANADA CENTRE FOR INLAND WATERS ENVIRONMENT CANADA P O BOX 5050 BURLINGTON ONT L7R 4A6	ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.
DOLINSKI G CROP PRODUCTION ALBERTA AGRICULTURE 7000 113 ST EDMONTON ALTA T6H 5T6	STORED GRAIN INSECTS, TOXICITY OF INSECTICIDES TO HONEY-BEES, LEAF CUTTER BEE-MANAGEMENT, FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.
DOLOVICH JERRY PEDIATRICS MCMASTER UNIVERSITY HAMILTON ONT L8S 4J9	ALLERGY, OCCUPATIONAL ASTHMA, ALLERGIC ALVEOLITIS, DRUG-REACTIONS.
DOMIER DR KW DEPT OF AGRICULTURAL ENGINEERING UNIVERSITY OF ALBERTA EDMONTON ALTA T6G 2H1	RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL-ENGINEERING: POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.
DONALDSON E M RESEARCH & RESOURCE SERVICES DIRECTORATE DEPT OF FISHERIES & OCEANS 4160 MARINE DRIVE WEST VANCOUVER B C V7V 1N6	SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES AND GROWTH-CONTROL.

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AIR-SEA INTERACTION: GENERATION. PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES: TRANSFERS OF MOMENTUM. HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE: NUMERICAL WAVE FORECASTING: MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

DONNAN J
SENIOR ECONOMIST
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RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

DOOLEY J E
FACULTY OF MANAGEMENT STUDIES
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TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.

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ENVIRONMENTAL-ASSESSMENT, REGIONAL RESOURCE MANAGEMENT. NATURE RESERVE PLANNING.

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POPULATION-DYNAMICS AND MANAGEMENT OF MARINE FISH AND MARINE MAMMALS.

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EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMINE LEVELS AND BEHAVIOUR; INSECTICIDE-DEVELOPMENT.

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IDENTIFICATION, EVALUATION AND RECOGNITION OF CHEMICAL AND PHYSICAL STRESSES AND HAZARDS ARISING IN THE WORKPLACE AND LEADING TO INCREASED MORTALITY; MORBIDITY AND ADVERSE HEALTH EFFECTS.

DRAPEAU ARNOLD J
PROFESSEUR TITULAIRE
ECOLE POLYTECHNIQUE
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MONTREAL QUE
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RECHERCHE DE NOUVEAUX INDICATEURS DE POLLUTION; RECHERCHE SUR LES PROFILS METALLIQUES DES ORGANISMES; DEVELOPPEMENT DE NOUVELLES TECHNIQUES D'IDENTIFICATION DES MICROORGANISMES; ELEMENTS TOXIQUES.

DRAPER D W
WATER POLLUTION CONTROL DIRECTORATE
ENVIRONMENT CANADA
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MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR-POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.

DROSTE RL DEPT OF CIVIL ENGINEERING UNIVERSITY OF OTTAWA OTTAWA ONT K1N 9B4	THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.
DROUIN JAMES A RESEARCH TECHNICIAN DEPT OF THE ENVIRONMENT CANADIAN FOREST SERVICE NFRC 5320 - 122 STREET EDMONTON ALBERTA T6H 3S5	DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.
DRUEHL LOUIS D DEPT OF BIOLOGY SIMON FRASER UNIVERSITY BURNABY B C V5A 1S6	KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.
DUINKER P N FACULTY OF FORESTRY UNIV OF NEW BRUNSWICK BAG SERVICE NO 44555 FREDERICTON NB E3B 6C2	RESEARCH AND EXPERTISE IN FOREST-ECOLOGY, AND SCIENCE-BASED APPROACHES TO ENVIRONMENTAL-IMPACT-ASSESSMENT.
DURIE ROBERT W ADM PETROLEUM RESOURCES MINISTRY OF ENERGY MINES AND PETROLEUM RESOURCES PROVINCE OF BRITISH COLUMBIA PARLIAMENT BUILDINGS VICTORIA BC V8V 1X4	AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.
DUTHIE H C DEPT OF BIOLOGY UNIVERSITY OF WATERLOO WATERLOO ONTARIO N2L 3G1	ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
DUTKA BERNARD J HEAD MICROBIOLOGY LABORATORIES CANADA CENTRE FOR INLAND WATERS ENVIRONMENT CANADA P O 5050 BURLINGTON ONTARIO L7R 4A6	MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.
DWIVEDI O P DEPARTMENT OF POLITICAL STUDIES UNIVERSITY OF GUELPH GUELPH ONTARIO N1G 2W1	ENVIRONMENTAL POLICY-PLANNING AND MANAGEMENT, ENVIRONMENTAL LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION.
EAGLES P F J DEPT OF RECREATION UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK-PLANNING, OUTDOOR-EDUCATION AND ENVIRONMENTAL-ASSESSMENT. PUBLICATION FORTHCOMING IN 1984.
EAST C PROFESSEUR CENTRE DE RECHERCHE SCIENCES DE L'ENVIRONNEMENT UNIVERSITE DU QUEBEC B P 8888 MONTREAL QUEBEC H3C 3P8	METEOROLOGIE DE LA POLLUTION DE L'AIR TRANSPORT ET DIFFUSION DES POLLUANTS.

EDWARDS C J
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A MEMBER OF THE SECRETARIAT PROVIDING BIOLOGICAL EXPERTISE TO THE INTERNATIONAL-JOINT-COMMISSION AND ITS WATER-QUALITY BOARD AND SCIENCE ADVISORY BOARD.

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ELDER F C
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L7R 4A6

RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC-SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT.

ELIAS L
SENIOR RESEARCH OFFICER
BUILDING M-10
NATIONAL AERONAUTICAL ESTABLISHMENT
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DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

ELLENBERGER H
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PROFESSOR
CIVIL ENGINEERING
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LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

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QUEEN'S UNIVERSITY
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MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

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MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

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ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION, FISH-TOXICITY, EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

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APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING, ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

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MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

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DEVELOPING AND DESIGNING MEASURING-SYSTEMS FOR ENVIRONMENTAL VARIABLES IN INLAND-WATERS; INSTRUMENT-DESIGN AND EVALUATION.

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REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL-DIVISION.

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METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. SCIENCE AND POLICY.

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FORSTER AB FOREST RELATIONS AND ECONOMIC DEV CANADIAN FORESTRY SERVICE ENVIRONMENT CANADA OTTAWA ONT K1A 1G5	FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.
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FRASER D A 617 BERWICK AVE TOWN OF MOUNT ROYAL QUE H3R 2R1 1455 DE MAISONNEUVE BLVD W MONTREAL QUEBEC H3G 1M8	USE OF RADIATION AND RADIOISOTOPES IN FORESTRY-RESEARCH.
FREDEEN F J H RESEARCH STATION AGRICULTURE CANADA 107 SCIENCE CRESCENT SASKATOON SASKATCHEWAN S7N OX2	QUANTITATIVE SAMPLING OF INVERTEBRATES IN RIVERS, ESPECIALLY BLACK-FLIES SIMULIIDAE (DIPTERA).
FREEMAN HARRY C FISHERIES AND OCEANS CANADA 1707 LOWER WATER ST HALIFAX N S B3J 2S7	QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).
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VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.

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GAYED S K
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RESEARCH STATION BOX 186
DELHI ONTARIO
N4B 2W9

CHEMICAL-CONTROL OF OZONE-DAMAGE ON TOBACCO AND PEANUTS AS WELL AS OTHER POLLUTANTS.

GAYNOR J D
HARROW RESEARCH STATION
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THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

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GER[illegible]R L O
DEPT [illegible]RBAN AND REGIONAL PLANNING
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INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

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GLOOSCHENKO W
CANADA CENTRE FOR INLAND WATERS
BURLINGTON ONTARIO
L7R 4A6

ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

GNYP A W
DEPT OF CHEMICAL ENGINEERING
UNIVERSITY OF WINDSOR
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N9B 3P4

STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

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GORDON A G
ONT TREE IMPROVEMENT UNIT
ONT MINISTRY OF NATURAL RESOURCES
AND FOREST BIOMASS INSTITUTE
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BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

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CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT. HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

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CONSULTING ENGINEERS
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WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

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MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

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ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

GRANT D L
HEALTH AND WELFARE
HEALTH PROTECTION BRANCH
HPB BUILDING
TUNNEY'S PASTURE
OTTAWA ONTARIO
K1A 0L2

EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.

GRANT W F GENETICS DEPARTMENT MACDONALD CAMPUS OF MCGILL UNIV STE-ANNE DE BELLEVUE QUEBEC H9X 1C0	CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS PRIMARILY PESTICIDES.
GRAY J A ASSOCIATE PROFESSOR ECONOMICS THE UNIVERSITY OF MANITOBA WINNIPEG MANITOBA R3T 2N2	WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS. BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT. RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.
GREAT LAKES INSTITUTE UNIVERSITY OF WINDSOR WINDSOR ON N9B 3P4	ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEMS IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL-SCIENTISTS.
GREEN R H DEPARTMENT OF ZOOLOGY UNIVERSITY OF WESTERN ONTARIO LONDON ONTARIO N6A 5B7	BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.
GREENHALGH R CHEMICAL & BIOLOGY RESEARCH INST DEPARTMENT OF AGRICULTURE OTTAWA ONTARIO K1A 0C6	DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.
GREGORY A F PRESIDENT GREGORY GEOSCIENCE LTD SUITE 310 1750 COURTWOOD CRES OTTAWA ONT K2C 2B5	PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.
GRIFFIN D F PUBLIC LANDS DIV ALBERTA ENERGY & NATURAL RESOURCES 4TH FL 9915 108 ST EDMONTON ALTA T5K 2C9	ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.
GRIFFIN H D CHIEF AIR QUALITY ASSESSMENT TECHNICAL SUPPORT SECTION MINISTRY OF THE ENVIRONMENT 435 JAMES STREET SOUTH PO BOX 5000 THUNDER BAY ONT P7C 5G6	AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS, PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.
GRIMA A P GEOGRAPHY UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A1	WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.
GROVER R AGRICULTURE CANADA RESEARCH STN C D A BOX 440 REGINA SASKATCHEWAN S4P 3A2	ENVIRONMENTAL CHEMISTRY OF HERBICIDES.
GUBELI A O DEPT OF CHEMISTRY LAVAL UNIVERSITY QUEBEC P Q G1X 2P2	CHIMIE MINERALE ET CHIMIE DES COMPLEXES. CHIMIE ANALYTIQUE. CHIMIE DE L'ENVIRONNEMENT. CHIMIE DES EAUX. RADIOCHIMIE.

GUEVREMONT R NATIONAL RESEARCH COUNCIL OF CANADA 1411 OXFORD STREET HALIFAX NS B3H 3Z1	REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.
GULLON A C CHIEF MOBILE SOURCES DIVISION MANAGING ENGINEER ACTIONS OF CONSUMERS & ENVIRONMENT PLACE VINCENT MASSEY OTTAWA ONTARIO K1A 1C8	CURRENTLY DEVELOPING DATA-BASE ON DIRECT POLLUTION BY CONSUMERS IN CANADA (E.G. AUTOMOBILE-EMISSIONS, PESTICIDES USED BY CONSUMERS).
GUTHRIE JE DR AGASSIZ SYSTEMS RESEARCH AND TECHNOLOGY LTD 443 BEAVERBROOK ST WINNIPEG MAN R3M 1N2	GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS.
HADDON B D CANADIAN FORESTRY SERV PETAWAWA NATIONAL FORESTRY INST CHALK RIVER ONT K0J 1J0	FOREST RESOURCE STATISTICS, PARTICULARLY SILVICULTURAL TREATMENTS.
HADJINICOLAOU DR J CIVIL ENGINEERING MCGILL UNIVERSITY 817 SHERBROOKE ST W MONTREAL QUE H3A 2K6	TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.
HAGE K D PROFESSOR DEPARTMENT OF GEOGRAPHY UNIVERSITY OF ALBERTA EDMONTON ALBERTA T6G 2H4	AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.
HALL CD DRINKING WATER MONITORING MINISTRY OF THE ENVIRONMENT 125 RESOURCES RD REXDALE ONT M9W 5L1	ANALYSIS OF DRINKING-WATER FOR EVIDENCE OF INDUSTRIAL-CONTAMINATION BY HAZARDOUS ORGANIC-MATERIALS, INCLUDING LEGAL CASES WHEN NECESSARY. DEVELOPING AND MAINTAINING METHODS OF ANALYSIS. INTERPRETING RESULTS FOR USE IN THE FIELD.
HALL H A ENVIRONMENT CANADA EPS 45 ALDERNEY DRIVE DARTMOUTH NS B2Y 2N6	RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.
HALL K J F CIVIL ENGINEERING UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.
HAMMER T BIOLOGY DEPARTMENT UNIVERSITY OF SASKATCHEWAN SASKATOON SASKATCHEWAN S7N 0W0	LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.
HANSEN JA REID CROWTHER & PARTNERS LTD 7410 BLACKFOOT TRAIL SE CALGARY AB T2H 1M5	ENVIRONMENTAL ASSESSMENT AND RESOURCE-MANAGEMENT ESPECIALLY AS THEY RELATE TO MINING-DEVELOPMENTS. RECLAMATION PLANNING AND IMPLEMENTATION ARE AN AREA OF CONCENTRATION WITHIN THE FRAMEWORK OF THESE STUDIES.

HANSEN K J RESOURCES DEPT MONTREAL ENGINEERING CO LTD 400 MONENCO PLACE 801-6TH AVE SW CALGARY ALTA T2P 3W3	WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.
HANSON A J INSTITUTE FOR RESOURCE & ENVIRONMENTAL STUDIES DALHOUSIE UNIVERSITY 1312 ROBIE ST HALIFAX NS B3H 3E2	FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.
HARDING G C H MARINE ECOLOGIST DEPT OF F & E MARINE ECOLOGY LAB BEDFORD INSTITUTE OCEANOGRAPHY DARTMOUTH NOVA SCOTIA B2Y 4A2	LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.
HARE F K GEOGRAPHY UNIV OF TORONTO TRINITY COLLEGE TORONTO ONTARIO M5S 1A4	ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.
HARE M J PROFESSOR DEPT OF ECONOMICS UNIVERSITY OF TORONTO 150 ST GEORGE ST TORONTO ON M5S 1A1	MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.
HARMS V L FRASER HERBARIUM DEPARTMENT OF PLANT ECOLOGY UNIVERSITY OF SASKATCHEWAN SASKATOON SASK S7N OWO	TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).
HARPER D S PHYTOTOXICOLOGY SECTION MINISTRY OF THE ENVIRONMENT BRAMPTON STATION A PO BOX 565 BRAMPTON ON L6V 2L6	EFFECTS OF AIR-POLLUTANTS, SPECIFICALLY GASEOUS AIR-POLLUTANTS, ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.
HARRINGTON JB CANADIAN FORESTRY SERVICE ENVIRONMENT CANADA PETAWAWA NATIONAL FORESTRY INST CHALK RIVER ONT KOJ 1JO	FOREST-METEOROLOGY: POLLUTION METEOROLOGY: AGRICULTURAL METEOROLOGY; EMPHASIS ON WIND AND DISPERSION.
HARRIS I W E POLYSAR LTD POLYSAR BLDG CHRISTINA ST PO BOX 3054 SARNIA ONT N7T 7V1	TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.
HARRIS P RESEARCH STATION CANADA DEPARTMENT OF AGRICULTURE BOX 440 REGINA SASKATCHEWAN S4P 3A2	BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.

HARRISON EJ
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APPLICATION OF MINI AND MICRO-COMPUTERS TO LIMNOLOGICAL RESEARCH, BOTH IN SITU AND IN THE LABORATORY.

HARVEY H H
ZOOLOGY
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KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION, FISH RESPONSES, BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.

HAVAS MAGDA
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EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

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ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

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TRANSBOUNDARY CONTROLS FOR SHIPMENTS OF HAZARDOUS-WASTES.

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ANALYSIS OF CARBOHYDRATES IN SOIL, AND SURFACE AND MARINE WATERS.

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AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

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DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

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PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

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PHYSICAL/CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. FIRE-PROTECTION STUDIES.

HERRERO STEPHEN
FACULTY OF ENVIRONMENTAL DESIGN
UNIVERSITY OF CALGARY
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RESEARCH AND PLANNING NECESSARY TO GENERATE SUSTAINABLE BENEFITS TO PEOPLE FROM CONSERVATION ORIENTED DEVELOPMENT OF RENEWABLE-RESOURCES. EXPERTISE IN WILDLIFE-MANAGEMENT AND PARK-PLANNING.

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MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

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AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

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IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS.

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ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

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LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

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AIR-POLLUTION IMPACT ON PLANTS. AIR-POLLUTION DISEASE INTERACTION. EFFECTS OF ENVIRONMENTAL-STRESS ON PLANTS.

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HYDROLOGICAL STUDIES OF BLUEBERRY-CREEK WATERSHED. CONFLICTS OF MULTIPLE USE ON A COMMUNITY WATER-SUPPLY.

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MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

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STUDY OF FOREST-RESOURCES, FORESTRY-INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE, (CMEA).

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IDENTIFICATION AND STUDIES ON FOREST PATHOGENS AND THEIR CONTROL WITH EMPHASIS ON CANKER-FUNGI AND COLD-STORAGE FUNGI.

HOPWOOD WA
CANADIAN FORESTRY SERVICE
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INVENTORY OF FOREST BIOMASS. PUBLICATIONS ON: ENFOR BIOMASS ESTIMATION PROJECTS; COORDINATION OF BIOMASS ESTIMATION IN CANADA; AND CANADA'S FOREST BIOMASS INVENTORY - 1984.

HOUSTON A H
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PHYSIOLOGICAL ECOLOGY OF FISHES: RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY.

HRUDEY S E DEPARTMENT OF CIVIL ENGINEERING UNIVERSITY OF ALBERTA EDMONTON ALBERTA T6G 2G7	INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.
HSIAO STEPHEN I C ARCTIC BIOLOGICAL STATION DEPT OF FISHERIES AND OCEANS P O BOX 400 STE ANNE DE BELLEVUE QUEBEC H9X 3R4	PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.
HUGHES F P R R 2 GREEN LANE HAWKESBURY ONTARIO K6A 2R2	USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.
HUGHES GM WATER RESOURCES BRANCH MINISTRY OF THE ENVIRONMENT 135 ST CLAIR AVE WEST TORONTO ONTARIO M4V 1P5	GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.
HUNSINGER R B WATER TECHNOLOGY SECTION POLLUTION CONTROL BRANCH ONTARIO MINISTRY OF THE ENVIRONMENT BOX 213 REXDALE ONT M9W 5L1	MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.
HUNT J R AGASSIZ RESEARCH STATION AGRICULTURE CANADA P O BOX 1000 AGASSIZ B C V0M 1A0	RESEARCH ON THE NUTRITION AND MANAGEMENT OF POULTRY AND RABBITS.
HUTCHINSON T C BOTANY DEPARTMENT UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A1	ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
INNISS W E DEPT OF BIOLOGY UNIVERSITY OF WATERLOO WATERLOO ONTARIO N2L 3G1	MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.
INRS-EAU INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE UNIVERSITE DU QUEBEC CP 7500 SAINTE-FOY, QUEBEC G1V 4C7	FAISANT APPEL A DES EQUIPES DE RECHERCHE MULTIDISCIPLINAIRES, L'INRS-EAU REGROUPE SES TRAVAUX A L'INTERIEUR DE QUATRE PROGRAMMES DISTINCTS, A SAVOIR: HYDROLOGIE, ASSAINISSEMENT, DYNAMIQUE CHIMIQUE ET BIOLOGIQUE DU MILIEU, ET GESTION ET AMENAGEMENT DE LA RESSOURCE EAU.
INSTITUTE FOR ENVIRONMENTAL STUDIES UNIVERSITY OF TORONTO TORONTO ONT M5S 1A4	ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.
INTL MARINE ENVIRONMENTALISTS INC 205 E ST J-BAPTISTE RIMOUSKI QUE G5L 1Y7	ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

IRONSIDE G R LANDS DIRECTORATE ENVIRONMENT CANADA 20TH FL PLACE VINCENT MASSEY OTTAWA ONT K1A OE7	ECOLOGICAL LAND-CLASSIFICATION. INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON-TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.
ITKIN A WATER & WASTEWATER MANAGER CANADIAN ENGINEERING CONSULTANTS DIV OF CANADIAN EXPLOSIVES LTD 1110 SHEPPARD AVE E 212 NORTH YORK ON M2K 2W2	WATER SYSTEMS AND WASTEWATER-SYSTEMS FOR AGRICULTURE INDUSTRY AND MUNICIPALITIES.
IVERSON S L ENVIRONMENTAL RESEARCH BRANCH ATOMIC ENERGY OF CANADA LIMITED WHITESHELL NUCLEAR RES ESTABLISHMEN PINAWA MANITOBA ROE 1LO	EFFECTS OF IONIZING RADIATION ON ORGANISMS AND ECOLOGICAL SYSTEMS; MOVEMENT OF RADIONUCLIDES IN THE CANADIAN ENVIRONMENT.
IZUMI K DEPT URBAN AND REGIONAL PLANNING UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	PSYCHO-SOCIAL CONSIDERATIONS IN OR OF ENVIRONMENTAL-DESIGN WITH SPECIAL REFERENCE TO PHYSICALLY AND PSYCHOLOGICALLY DISABLED. NATURE OF HUMAN INFORMATION WITH REFERENCE TO SOCIAL-POLICY AND PLANNING. ENVIRONMENTAL ETHICS.
JACKSON RA BARRINGER MAGENTA LTD 304 CARLINGVIEW DR TORONTO ONT M9W 5G2	ELEMENTAL ANALYSIS, INCLUDING TRACE-ANALYSIS. ENVIRONMENTAL AIR AND WATER-SAMPLING TECHNIQUES. ANALYTICAL INSTRUMENT-DEVELOPMENT.
JAMES W M DEPARTMENT OF CIVIL ENGINEERING MCMASTER UNIVERSITY HAMILTON ONTARIO L8S 4L7	URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.
JAMIESON W D ATLANTIC REGIONAL LABORATORY NATIONAL RESEARCH COUNCIL 1411 OXFORD STREET HALIFAX NS B3H 3Z1	TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.
JAOUICH A DEPT DES SCIENCES DE LA TERRE UNIVERSITE DU QUEBEC A MONTREAL CP 8888 SUCCURSALLE A MONTREAL QUE H3C 3P8	TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.
JAWORSKI JOHN F RESEARCH SCIENTIST NATIONAL RESEARCH COUNCIL 100 SUSSEX DRIVE OTTAWA ONT K1A OR6	TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT. AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.
JEGLUM J K GREAT LAKES FOREST RESEARCH CENTRE CANADIAN FORESTRY SERVICE SAULT STE MARIE ONTARIO	WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.
JELEN P FOOD SCIENCES THE UNIVERSITY OF ALBERTA EDMONTON ALBERTA T6G 2P5	PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

JERVIS R E CHEMICAL ENGINEERING UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A4	HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.
JOBIN LUC J ENVIRONNEMENT CANADA CTRE DE RECHERCHES FORESTIERES DES LAURENTIDES 1080 RTE DU VALLON SAINTE-FOY QUEBEC G1V 4C7	PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.
JOHNSON LIONEL RESEARCH SCIENTIST DEPT OF FISHERIES AND OCEANS FRESHWATER INSTITUTE 501 UNIVERSITY CRESCENT WINNIPEG MANITOBA R3T 2N6	ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.
JONES E P RESEARCH SCIENTIST BEDFORD INSTITUTE OF OCEANOGRAPHY DEPT OF FISHERIES AND OCEANS P O BOX 1006 DARTMOUTH NOVA SCOTIA B2Y 4A2	CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.
JONES G A DEPT OF APPLIED MICROBIOLOGY AND FOOD SCIENCE UNIVERSITY OF SASKATCHEWAN SASKATOON SK S7N OWO	PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.
JONES H G PROF INST NATIONAL DE LA RECHERCHE SCIENTIFIQUE EAU INRS EAU CP 7500 2700 RUE EINSTEIN SAINTE FOY QUE G1V 4C7	LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.
JONES L E OFFICE OF THE DEAN APPLIED SCIENCE AND ENGINEERING UNIVERSITY OF TORONTO TORONTO ON M5S 1A4	HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.
JONES P H INST FOR ENVIRONMENTAL STUDIES UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A4	STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.
JONGEJAN A MINERAL SCIENCES DIVISION MINES BRANCH DEPT ENERGY MINES AND RESOURCES 555 BOOTH STREET OTTAWA ONTARIO K1A OG1	THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.
JORGENSEN ERIK UNIV OF GUELPH ARBORETUM GUELPH ONT N1G 2W1	SILVICULTURE; ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO, SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

JOSENHANS WT MD DEPT OF PHYSIOLOGY DALHOUSIE UNIVERSITY HALIFAX NOVA SCOTIA B3H 4H7	FELLOW OF THE AMERICAN COLLEGE OF CHEST PHYSICIANS. INTERESTED IN SMOKING EFFECTS AND MECHANICS OF BREATHING. FREQUENTLY IN RADIO AND TV PROGRAMS ON SMOKING EFFECTS.
JOSHI S R NATIONAL WATER RESEARCH INST ENVIRONMENT CANADA PO BOX 5050 BURLINGTON ONT L7R 4A6	DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.
KALFF J BIOLOGY MCGILL UNIVERSITY MONTREAL QUEBEC H3A 1B1	AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.
KALOW W PHARMACOLOGY UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A8	METABOLISM OF DRUGS AND CHEMICALS IN MAN; PERSON-TO-PERSON VARIATION IN THE METABOLIZING CAPACITY; GENETIC-DEFECTS OF METABOLISM AND ITS CONSEQUENCES.
KARAU J H ENVIRONMENT CANADA - EPS WASTE MANAGEMENT BR OTTAWA ON K1A 1C8	NATIONAL MANAGER OF THE OCEAN-DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.
KARIEL H G PROFESSOR DEPT OF GEOGRAPHY UNIVERSITY OF CALGARY CALGARY ALBERTA T2N 1N4	NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.
KATZ MORRIS YORK UNIVERSITY T-115 STEACIE BLDG 4700 KEELE ST TORONTO ONTARIO M3J 2R3	SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.
KEDDY PA DEPT OF BIOLOGY UNIVERSITY OF OTTAWA OTTAWA ONT K1N 6N5	ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.
KEITH C T HEAD WOOD ANATOMY UNIT FORINTEK CANADA CORP 800 MONTREAL ROAD OTTAWA ONTARIO K1G 3Z5	SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL-STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.
KELSO JOHN R M GREAT LAKES FISHERIES RESEARCH BR DEPT OF FISHERIES & OCEANS 1219 QUEEN ST E SAULT STE MARIE ONTARIO P6A 2B3	EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH-POPULATIONS (BODY BURDENS, BEHAVIOUR).
KEMPTON A G DEPT OF BIOLOGY UNIVERSITY OF WATERLOO WATERLOO ONTARIO N2L 3G1	MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

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MYCOLOGY, ESPECIALLY MOLDS (HYPHOMYCETES). SYSTEMATICS, ECOLOGY, DEVELOPMENT.

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RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

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PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

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GEOMORPHOLOGICAL AND HYDROGRAPHICAL SURVEY AND MAPPING. COMPILATION OF THEMATIC MAPS BASED ON REMOTE-SENSING DATA.

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BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES, ETC.) SOIL-FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

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FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

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ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

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ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

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ASSESSMENT OF TERATOGENIC AND REPRODUCTIVE RISKS OF ENVIRONMENTAL AND FOOD-CHEMICALS FROM ANIMAL DATA.

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AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

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BOTH PHYSICAL AND CHEMICAL ASPECTS OF THE MOVEMENT/RETARDATION OF CONTAMINANTS IN GROUNDWATER FLOW-SYSTEMS IN UNCONSOLIDATED SEDIMENTS.

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ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

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EXAMINING THE EFFECT OF CIGARETTE-SMOKE EXPOSURE ON VARIOUS ASPECTS OF PULMONARY PATHOPHYSIOLOGY IN DOGS. STUDIES ON THE EFFECT OF SULPHUR-DIOXIDE EXPOSURE IN THE SAME SYSTEM.

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ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

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ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

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ENVIRONMENTAL BEHAVIOUR AND ATTITUDES, WITH SPECIAL REFERENCE TO THE TRAFFIC ENVIRONMENT, DRIVING-BEHAVIOUR AND RECREATIONAL TRAVEL.

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AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

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MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

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ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

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TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

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LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.

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LBS 4M1

GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL-SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

KROUSE H R
DEPT OF PHYSICS
UNIVERSITY OF CALGARY
CALGARY ALBERTA

STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

KRUPTA DR SV
RESEARCH MANAGEMENT DIV
ALBERTA ENVIRONMENT
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RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

KRUUS P
CARLETON UNIVERSITY
COLONEL BY DRIVE
OTTAWA ONTARIO
K1S 5B6

ANALYSIS OF THE CONTROVERSIES SURROUNDING VARIOUS CHEMICALS. JOINT EDITOR OF "CONTROVERSIAL CHEMICALS: A CITIZEN'S GUIDE", MULTISCIENCE, MONTREAL, 1979. REVISED EDITION TO APPEAR 1984.

KRZYMIEN ME
NATIONAL RESEARCH COUNCIL
NATIONAL AERONAUTICAL ESTABLISHMENT
MONTREAL ROAD BUILDING M-10
OTTAWA ONT
K1A OR6

TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS.

KUDO A
BIOLOGICAL SCIENCES
NATIONAL RESEARCH COUNCIL OF CAN
ROOM 3089
100 SUSSEX DRIVE
OTTAWA ONTARIO
K1A OR6

DISTRIBUTION, TRANSPORT, TRANSFER AND TRANSFORMATION OF TOXIC-MATERIALS (INCLUDING RADIOACTIVE MATERIALS) IN THE AQUATIC ENVIRONMENT, ESPECIALLY PATHWAYS OF HEAVY-METALS.

KUSHNER D J
DEPT OF BIOLOGY
UNIVERSITY OF OTTAWA
OTTAWA ONTARIO
K1N 6N5

MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

KWAIN W
FISHERIES RESEARCH UNIT
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875 QUEEN ST. E
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P6A 2B3

THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

KWASNIEWSKA K
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L7R 4A6

TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

LABAJ AB
HARROW RESEARCH STN
AGRICULTURE CANADA
HARROW ONT
NOR 1GO

WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

LABONTE ROGER
INGENIEUR
ECOLE POLYTECHNIQUE
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MONTREAL QUEBEC
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ASSAINISSEMENT DES EAUX-USEES AU MOYEN DE TECHNOLOGIES DOUCES TELLES QUE LE LAGUNAGE ET LES TOURBIERES CONCEPTION ASSISTEE A L'ORDINATEUR DES STATIONS D'EPURATION DES EAUX-USEES. FORMATION PROFESSIONNELLE DANS LE DOMAINE DU GENIE DE L'ENVIRONNEMENT.

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ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

LACHANCE DENIS
CHERCHEUR SCIENTIFIQUE
CENTRE DE RECHERCHES FORESTIERES
LAURENTIDES
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RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

LACOURSIERE JP
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CHEF DE SERVICE SANTE, SECURITE ET ENVIRONNEMENT. ELIMINATION DES SULFURES PAR OXYDATION CATALYTIQUE EN PHASE GAZEUSE COMPTE RENDU AWTR/FACE 1983.

LADOCHY S
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SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.

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RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

LAHAM S
HEAD OF INHALATION TOXICOLOGY SEC
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TUNNEY'S PASTURE ROOM B35
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INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

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ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

LAMB A
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DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES. CLIENT LIAISON. PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.

LAMONTAGNE JEAN-CLAUDE
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1001 OUEST RUE ST-LAURENT
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METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

LANDHEER F
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PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC-HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

LANGFORD A N
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PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

LANGFORD C H
DEPT OF CHEMISTRY
CONCORDIA UNIVERSITY
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STUDIES OF SPECIATION OF METAL-IONS AND MOBILITIES OF PESTICIDES IN NATURAL WATER-SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

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APPLICATIONS OF REMOTE-SENSING TO ENVIRONMENTAL-MANAGEMENT.

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HEAD ORGANIC METHOD DEV SEC
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RIVER ROAD OTTAWA ONT
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CHIEF OF THE DIVISION. TRACE-ORGANIC-ANALYSIS. GC/MS/COMPUTER SYSTEM. CHEMICAL AND PHYSICAL MEASUREMENTS OF POLLUTANTS.

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RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

LAST A J
ONTARIO RESEARCH FOUNDATION
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SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

LAU Y L
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RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

LAUGHLIN R G W
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DEVELOPMENT OF WASTE-TREATMENT TECHNOLOGY. DEVELOPMENT OF USES FOR INDUSTRIAL AND MUNICIPAL-WASTES. OPERATION OF THE CANADIAN WASTE MATERIALS EXCHANGE PROGRAMME.

LAW DR FCP
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TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

LEBLANC PJ
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THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE.

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IN CHARGE OF THE AIR-POLLUTION-CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR-CONTAMINANTS FROM INDUSTRY.

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ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

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AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

LEE DR
ATOMIC ENERGY OF CANADA RESEARCH CO
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CHALK RIVER NUCLEAR LABS
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GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

LEE E G H B C RESEARCH RESEARCH BIOCHEMIST 3650 WESBROOK MALL VANCOUVER B C V6S 2L2	MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.
LEE HENRY PILLSBURY CANADA LTD 1192 LACASSE BLVD PO BOX 3220 TECUMSEH ON N8N 2M4	ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.
LEIDNER J DEPARTMENT OF MATERIALS CHEMISTRY ONTARIO RESEARCH FOUNDATION SHERIDAN PARK MISSISSAUGA ONTARIO L5K 1B3	RECYCLING OF PLASTICS. PUBLICATION OF "PLASTICS WASTE, RECOVERY OF ECONOMIC VALUE". NEW YORK, M. DEKKER, 1981.
LENNOX DH NATIONAL HYDROLOGY RESEARCH INST INLAND WATERS DIRECTORATE ENVIRONMENT CANADA OTTAWA ON K1A 0E7	HYDROGEOLOGY, SURFACE-WATER MODELLING, GLACIOLOGY, SNOW-AND-ICE PHENOMENA.
LERER H ENVIRONMENT PROTECTION SERVICE ENVIRONMENT CANADA PVM OTTAWA ON K1A 1C8	PESTICIDES: EVALUATION AND REGULATION; ENVIRONMENTAL-IMPACT-ASSESSMENT; AGRICULTURAL PRACTICES RELATING TO PESTICIDES; TOXIC-CHEMICALS MANAGEMENT.
LES CONSULTANTS BPR INGENIEURS CONSEILS 333 BOUL HAMEL QUEBEC QUE G1P 2J7	ETUDES ENVIRONNEMENTALES RELATIVES AU DOMAINE DU DRAGAGE DE SEDIMENTS CONTAMINES. ETUDES ENVIRONNEMENTALES RELATIVES AUX MINES.
LESLIE J K GREAT LAKES BIOLIMNOLOGY LAB CANADA CENTRE FOR INLAND WATERS 867 LAKESHORE ROAD PO BOX 5050 BURLINGTON ONT L7R 4A6	LARVAL FISH-ECOLOGY; TAXONOMY, DEVELOPMENT OF SAMPLING TECHNIQUES.
LEVERTON DR REID CROWTHER AND PARTNERS LTD 100 MAIN ST SUITE 204 WHITEHORSE YK Y1A 2A8	LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.
LEWIS CA CORPORATE PLANNING TERRASSES DE LA CHAUDIERE ENVIRONMENT CANADA OTTAWA ON K1A 1C7	ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.
LIAW W K SASKATCHEWAN FISHERIES LAB DEPT TOURISM AND RENEWABLE RESOURCE 30 CAMPUS DR SASKATOON SASK S7N 0X1	LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.
LINKERT WG WESTINGHOUSE CANADA BOX 510 HAMILTON ONTARIO L8N 3K2	CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

LINZON S N MINISTRY OF THE ENVIRONMENT ONTARIO 880 BAY ST TORONTO ONT M5S 1Z8	EFFECTS OF AIR-POLLUTION ON SOILS, CROPS, AND FORESTRY (INCLUDES SO2, F, O3, ACID-RAIN, ETC.).
LOESCHER B R LABORATORY SERVICES BRANCH MINISTRY OF ENVIRONMENT 125 RESOURCES RD REXDALE ONT M9W 5L1	ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.
LOGAN L A WATER RESOURCES BRANCH MINISTRY OF ENVIRONMENT 135 ST CLAIR AVE WEST TORONTO ONTARIO M4V 1P5	WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.
LOMBARD W K PRESIDENT TRECAN LIMITED 4540 DIXIE RD MISSISSAUGA ONT L4W 1N2	COMBUSTION-EQUIPMENT; WASTE-INCINERATORS; HEAT-RECOVERY; SNOW-MELTERS.
LOUIE ROBERT H MINISTRY OF ENVIRONMENT 1873 SPALL ROAD KELOWNA BC V1Y 4R2	BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.
LOWRY RT SENIOR SCIENTIST, RADAR GROUP INTERA TECHNOLOGIES LTD 1200 510-5TH ST W CALGARY, ALTA T2P 3S2	RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.
LUM K R NATIONAL WATER RESEARCH INST 867 LAKESHORE RD P O BOX 5050 BURLINGTON ONT L7R 4A6	CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.
LUSH DONALD L MANAGER ENVIRONMENTAL SERVICES BEAK CONSULTANTS LTD 6870 GOREWAY DRIVE MISSISSAUGA ONT L4V 1L9	ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.
LUTWICK GD HEAD ANALYTICAL SECTION NOVA SCOTIA RESEARCH FOUNDATION COR 100 FENWICK ST, BOX 790 DARTMOUTH NS B2Y 3Z7	REMOVAL OF ARSENIC FROM RURAL WELL-WATERS BY ION-EXCHANGE WITH FERRIC-HYDROXIDE. PATENT.
MACDOUGALL D DOW CHEMICAL CANADA LTD PO BOX 1012 MODELAND ROAD SARNIA ONT N7T 7K7	DIRECTOR, ENVIRONMENTAL SCIENCES. AGRICULTURAL-CHEMISTRY DEGREES. MEMBER OF COMMITTEE ON ENVIRONMENTAL-IMPROVEMENT, AMERICAN CHEMICAL SOCIETY.
MACKAY DK NATIONAL HYDROLOGY RESEARCH INST INLAND WATERS DIRECTORATE ENVIRONMENT CANADA OTTAWA ONT K1A OE7	SURFACE-WATER HYDROLOGY, PERMAFROST HYDROLOGY.

MACKAY W C
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ENVIRONMENTAL PHYSIOLOGY OF FISH, PARTICULARLY THE ENERGETICS OF TEMPERATE FRESHWATER FISH. RELATIONSHIP BETWEEN LATITUDE AND GROWTH RATE. ENVIRONMENTAL FACTORS WHICH AFFECT BODY AND GONAD-GROWTH.

MACKENZIE A F
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LAND-USE AND WATER-QUALITY; FERTILIZER USE AND ENVIRONMENTAL EFFECTS; MANURE AS A FERTILIZER AND SUBSEQUENT ENVIRONMENT HAZARDS AND BENEFITS.

MACKNIGHT S D
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IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

MACKO SA
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STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

MACPHERSON J I
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OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MAHENDRAPPA M K
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SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MAKHIJA R
R AND R ASSOCIATES
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METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

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AIR-POLLUTANTS: IMPACT ON FOREST-VEGETATION AND SOILS; PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF FOREST-VEGETATION; SYMPTOMATOLOGY OF INJURY TO FOREST-VEGETATION.

MALLET V
DEPARTEMENT DE CHIMIE
UNIVERSITE DE MONCTON
MONCTON N B
E1A 3E9

CHIMIE-ANALYTIQUE; POLLUANTS-CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT DE METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

MALY EJ
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FACTORS AFFECTING DISTRIBUTION AND ABUNDANCE OF ZOOPLANKTON: PHYSICAL-CHEMICAL FACTORS, COMPETITION, PREDATION, BEHAVIOUR.

MANITOBA NATURALISTS SOCIETY
214 190 RUPERT AVE
WINNIPEG MAN
R3B ON2

FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

MANKIEWICZ E
LAKESHORE GENERAL HOSPITAL
160 STILLVIEW RD
POINTE CLAIRE PQ
H9R 2Y2

MYCOBACTERIA: GENETICS, IMMUNOLOGY-PHAGES INFECTIOUS-DISEASES.

MANNING EDWARD W
CHIEF LAND-USE PLANNING SYSTEMS
ENVIRONMENT CANADA
20TH FLOOR PLACE VINCENT MASSEY
HULL QUEBEC
K1A 0E7

LAND-USE RESEARCH, AGRICULTURAL LAND-USE, PROTECTION OF PRIME RESOURCE LANDS, REGIONAL RESOURCE PLANNING. FOCUS ON MAN/LAND RELATIONSHIPS, BEHAVIOURAL ANALYSES OF RESOURCE-USE, LIMITS OF CARRYING CAPACITY/RESOURCE DEVELOPMENT OPPORTUNITIES.

MANSFIELD B H
WASTE MANAGEMENT BR EPS
ENVIRONMENT CANADA
OTTAWA ON
K1A 1C8

OIL-SPILL COUNTERMEASURES, HAZARDOUS-MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

MARGOLIS LEO
HEAD SALMON ENHANCEMENT
DEPT OF FISHERIES AND OCEANS
PACIFIC BIOLOGICAL STATION
P O BOX 100
NANAIMO B C
V9R 5K6

DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

MARKS GERALD S
DEPARTMENT OF PHARMACOLOGY
QUEEN'S UNIVERSITY
BOTTERELL HALL
KINGSTON ONTARIO
K7L 4P3

STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

MARSALEK J
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CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND-RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

MARSHALL D WI
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ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

MARSHALL K ERIC
HEAD LIBRARY & PUBLICATION SERVICES
FRESHWATER INSTITUTE
DEPT OF FISHERIES AND OCEANS
501 UNIVERSITY CRESCENT
WINNIPEG MANITOBA
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INFORMATION-RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER).

MASTROMATTEO DR E
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TOXICOLOGICAL AND EPIDEMIOLOGICAL RESEARCH INTO A VARIETY OF OCCUPATIONAL-HEALTH PROBLEMS.

MATHEWS TITUS
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ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

MATHUR V N P
CANADIAN FORESTRY SERVICE
ENVIRONMENT CANADA
OTTAWA ONT
K1A 1G5

EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

MAUN M A ASSISTANT PROFESSOR DEPT OF PLANT SCIENCES UNIVERSITY OF WESTERN ONTARIO LONDON ONTARIO N6G 5B7	POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES, INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.
MAURER A R RESEARCH SCIENTIST AGRICULTURE CANADA RESEARCH STATION BOX 1000 AGASSIZ B C V0M 1A0	EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.
MAXWELL JAMES W DIRECTOR PROGRAM PLANNING AND EVAL LANDS DIRECTORATE ENVIRONMENTAL MANAGEMENT SERVICE 20TH FLOOR PVM OTTAWA ONT K1A 0H3	LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.
MAYBANK J SASKATCHEWAN RESEARCH COUNCIL 30 CAMPUS DRIVE SASKATOON SASK S7N 0X1	RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.
MAYFIELD C DEPT OF BIOLOGY UNIVERSITY OF WATERLOO WATERLOO ONTARIO N2L 3G1	POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.
MAYNARD DG CANADIAN FORESTRY SERVICE ENVIRONMENT CANADA 5320 122ND ST EDMONTON ALTA T6H 3S5	AIR-POLLUTION AND PARTICULATE DEPOSITION EFFECTS ON FOREST-SOILS.
MCADIE H G DIRECTOR DEPT OF ENVIRONMENTAL CHEMISTRY ONTARIO RESEARCH FOUNDATION SHERIDAN PARK RESEARCH COMMUNI MISSISSAUGA ONT L5K 1B3	AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.
MCBEAN E A ASSOCIATE PROF CIVIL ENGINEERING UNIVERSITY OF WATERLOO WATERLOO ONTARIO N2L 3G1	WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.
MCBRIDE B C DEPT OF ORAL BIOLOGY UNIVERSITY OF BRITISH COLUMBIA 2199 WESTBROOK MALL VANCOUVER BC V6T 1Z7	BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.
MCCLANAHAN R J ENTOMOLOGIST AGRICULTURE CANADA RESEARCH STATION HARROW ONTARIO N0R 1G0	BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES; REVISION OF CONTROL RECOMMENDATIONS.
MCCLAREN M DEPT OF BIOLOGICAL SCIENCES SIMON FRASER UNIVERSITY BURNABY BRITISH COLUMBIA V5A 1S6	DECISION-MAKING AND PROBLEM SOLVING BEHAVIOUR WITH A FOCUS ON ENVIRONMENTAL-ISSUES AND/OR PROBLEMS, WITH PARTICULAR REFERENCE TO THE EDUCATION OF PEOPLE FOR IMPROVED ABILITY IN PROBLEM-SOLVING.

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ACID-DEPOSITION; SOIL CHEMISTRY; RECLAMATION.

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ENVIRONMENTAL INFORMATION SPECIALIST. INDEXING, KWIC INDEXES, BIBLIOGRAPHIES, ON-LINE SEARCHING. SOURCE COORDINATOR OF INFOTERRA DIRECTORY.

MCCUAIG J D
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LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

MCDONALD I J
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CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS. STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

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FOOD-PROCESSING TECHNOLOGY, FOOD-WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

MCKEE P M
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FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

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HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING, BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

MCKENNEY D J
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THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS-FLOW-SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

MCKENZIE R I H
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OAT-BREEDER AND GENETICIST. THE DEVELOPMENT OF BETTER AND MORE DISEASE-RESISTANT OATS FOR THE EASTERN CANADIAN PRAIRIES.

MCKEOWN B A
BIOLOGICAL SCIENCES
SIMON FRASER UNIVERSITY
BURNABY B C
V5A 1S6

ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

MCLEAN D M
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ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

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PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.

MCMAHON J W HEALTH SCIENCES DIV ATOMIC ENERGY OF CANADA CHALK RIVER ONTARIO KOJ 1JO	LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.
MCMILLAN M L ASSOCIATE PROFESSOR DEPT OF ECONOMICS FACULTY OF ARTS UNIVERSITY OF ALBERTA EDMONTON ALBERTA T6G 2H4	ECONOMIC EVALUATION OF THE COSTS AND BENEFITS OF PUBLIC COMMODITIES INCLUDING ENVIRONMENTAL AMENITIES AND DISAMENITIES. ENVIRONMENTAL-MANAGEMENT TOOLS AND INSTITUTIONS.
MCNEIL LUCIE FEDERATION DES ASSOCIATIONS POUR LE PROTECTION DE L'ENVIRONNEMENT DES LACS 1415 EST JARRY MONTREAL QUE H2E 2Z7	REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.
MCROBIE D H CELANESE CANADA INC POSTAL BAG 2800 KINGSTON ONTARIO K7L 4Z8	METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.
MCTAGGART COWAN J ENVIRONMENTAL PROTECTION DIV ESRF CANADA OIL AND GAS LANDS ADMIN ENERGY MINES AND RESOURCES CANADA TOWER B 355 RIVER RD VANIER ONT K16 6S4	MANAGER, ENVIRONMENTAL STUDIES REVOLVING FUND (EMR). IN CONJUNCTION WITH ESRF (IAND) FINANCES NECESSARY ENVIRONMENTAL AND SOCIAL-STUDIES RELATING TO PETROLEUM-EXPLORATION AND DEVELOPMENT ON CANADA LANDS.
MEAD DOUGLAS A DR STAFF ECOLOGIST SHELL CANADA RESOURCES LTD PO BOX 100 STN M CALGARY ALTA T2P 2H5	RESOURCE-PLANNING; DATA-QUALITY ASSESSMENT. FORESTRY.
MEGRAW SR DOMTAR RESEARCH CP 300 SENNEVILLE PQ H9X 3L7	POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.
MEHKERI K A PRODUCT SAFETY DEPT CONSUMER & CORPORATE AFFAIRS STANDARDS BLDG HOLLAND AVE OTTAWA ON K1A OC9	MEASUREMENT OF TOXIC-ELEMENTS AND TOXIC-GASES FROM VARIOUS CONSUMER PRODUCTS AND AS THE PRODUCTS OF COMBUSTION IN FIELD OF FIRE AND FLAMMABILITY.
MEHRA M C CHEMISTRY DEPT UNIVERSITY OF MONCTON MONCTON N B E1A 3E9	TRACE-ELEMENTS ANALYSIS IN ENVIRONMENTAL SAMPLES. STUDY OF CHEMICAL REACTIONS OF ANALYTICAL INTEREST BY SPECTROPHOTOMETRIC AND ATOMIC-ABSORPTION TECHNIQUES.
MEISEN A DEPT OF CHEMICAL ENGINEERING UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.
MELLORS A DEPT OF CHEMISTRY UNIVERSITY OF GUELPH GUELPH ONTARIO N1G 2W1	BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

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ONTARIO HYDRO
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AEROSOL-SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME-CHEMISTRY RESEARCH.

MERRIAM H G
DEPT OF BIOLOGY
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EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

MES J
FOOD RESEARCH HEALTH PROTECTION BR
NATIONAL HEALTH AND WELFARE
TUNNEY'S PASTURE
OTTAWA ONT
K1A OL2

RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER MILK.

MIHOK S
ATOMIC ENERGY OF CANADA LTD
WHITESHELL NUCLEAR RESEARCH ESTAB
PINAWA MAN
ROE 1LO

RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

MILLER D R
GROUP LEADER
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DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

MILLSON M F
ENVIRONMENTAL PROTECTION SERVICE
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THE COMMERCIAL CHEMICALS DIVISION EVALUATES SCIENTIFIC EVIDENCE ON POTENTIAL EFFECTS OF PESTICIDES ON THE ENVIRONMENT AND PROVIDES ADVICE TO THE CANADIAN REGULATORY-AUTHORITY FOR THE PEST-CONTROL-PRODUCTS-ACT.

MILNE R A
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SOILS: STUDIES AND RESEARCH IN DRIFTING, CHEMISTRY, SURVEY, SALINITY AND DRAINAGE.

MINNS CHARLES K
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SYSTEMS ANALYSES OF VARIOUS ASPECTS OF FISHERIES AND ENVIRONMENTAL PROBLEMS, INCLUDING POPULATION-DYNAMICS, EUTROPHICATION AND ACID-RAIN.

MITCHELL H
DEGREMONT INFILLO
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WATER AND WASTE-TREATMENT DESIGN AND EQUIPMENT SUPPLY.

MITCHELL WB
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RIVER-BASIN MANAGEMENT; FLOODPLAIN REGULATION; PUBLIC-PARTICIPATION; POLICY AND PROGRAM EVALUATION; INSTITUTIONAL ARRANGEMENTS.

MOHTADI MF
CHEMICAL ENGINEERING
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CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

MOLTYANER GL
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ATOMIC ENERGY OF CANADA
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HYDROGEOLOGICAL, GEOCHEMICAL, AND MATHEMATICAL ASPECTS OF CONTAMINANT-TRANSPORT FROM WASTE-DISPOSAL SITES.

MOORE R L
PATHOLOGY
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MICROBIOLOGICAL-ASSAYS FOR ENVIRONMENTAL MONITORING. FOOD AND WATER MICROBIOLOGY.

MORGAN A V
DEPARTMENT OF EARTH SCIENCES
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FOSSIL INSECT RESEARCH, USING COLEOPTERA (BEETLES) TO ASSIST IN THE INTERPRETATION OF RATE AND SCALE OF CLIMATIC CHANGE, PARTICULARLY DURING THE LAST INTERGLACIAL TO PRESENT. PALEOECOLOGY AND ZOOGEOGRAPHIC SHIFTS ARE ALSO STUDIED.

MORGENSTERN E K
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FOREST-GENETICS, FOREST TREE-BREEDING, POPULATION-GENETICS, SILVICULTURE.

MORRISON IAN K
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RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MORRISSEY E G
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SATELLITE METEOROLOGY. RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.

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UPTAKE MECHANISMS FOR HEAVY-METAL ACCUMULATION BY AQUATIC MACROPHYTES. MECHANISM OF TOXIC RESPONSE OF HEAVY-METALS AT THE CELLULAR LEVEL.

MORTON F I
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SUCCESSFUL RESEARCH ON DEVELOPMENT & VERIFICATION OF A TECHNIQUE THAT PROVIDES RELIABLE OPERATIONAL ESTIMATES OF AREAL EVAPOTRANSPIRATION OR LAKE EVAPORATION FROM ROUTINE CLIMATOLOGICAL OBSERVATIONS IN MANY WIDELY DIFFERING ENVIRONMENTS THROUGHOUT THE WORLD.

MOSELHY M M
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ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

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PRESIDENT
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MY FIRM HAS CONCENTRATED ON RESEARCH AND DEVELOPMENT OF MECHANICAL FOREST TREE SEEDLING-PLANTING-MACHINES AND OTHER MECHANIZED SILVICULTURAL EQUIPMENT. SPECIAL STUDY OF ASPEN.

MUIR JOHN OIL GAS AND ENERGY DIV ENVIRONMENT PROTECTION SERVICE ENVIRONMENT CANADA PVM OTTAWA ONT K1A 1C8	DESIGN AND CONTROL TECHNOLOGIES FOR MINIMIZING AIR AND WATER-RELATED ENVIRONMENTAL CONCERNS WITH NUCLEAR-GENERATING-STATIONS. RESEARCH ON AIR AND WATER-POLLUTION CONTROL AT CANDU NUCLEAR-GENERATING-STATIONS.
MULAMOOTTIL G DEPT URBAN AND REGIONAL PLANNING UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.
MUNN R E PROFESSOR INST FOR ENVIRONMENTAL STUDIES UNIVERSITY OF TORONTO TORONTO ONT M5S 1A4	ENVIRONMENTAL-IMPACT-ASSESSMENT. DESIGN OF ENVIRONMENTAL MONITORING NETWORK. AIR-POLLUTION. MICROMETEOROLOGY.
MUNZ R J DEPT CHEMICAL ENGINEERING MCGILL UNIVERSITY 3480 UNIVERSITY ST MONTREAL QUE H3A 2A7	ELECTROSTATIC PRECIPITATION. HIGH TEMPERATURE GAS-SOLID SEPARATION.
MURPHY KEITH L IEC CONSULTANTS LTD 6870 GOREWAY DRIVE MISSISSAUGA ONT L4V 1P1	WATER AND WASTEWATER-TREATMENT PROCESSES; WATER-QUALITY MODELLING; ENVIRONMENTAL-IMPACT-ASSESSMENT.
MURRAY DJ BC MINISTRY OF ENERGY MINES AND PETROLEUM RESOURCES 105 525 SUPERIOR ST VICTORIA BC V8V 1T7	UNDERGROUND MINING ENVIRONMENT, ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES, QUARRIES, GRAVEL-PITS AND CRUSHING-PLANTS.
MURRAY DR REGIONAL DEV CROP PRODUCTION DIV AGRICULTURE CANADA SIR JOHN CARLING BLDG OTTAWA ON K1A 0C5	RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.
MURRAY G CANADIAN FORESTRY SERVICE PETAWAWA NATIONAL FORESTRY INST CHALK RIVER ONT K0J 1J0	FOREST-GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).
MURTHA P A FACULTY OF FORESTRY UNIV OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).
MYLES D V CANADIAN FORESTRY SERVICE PLACE VINCENT MASSEY OTTAWA ON K1A 1G5	MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.
MYSLICKI JJ WASTE MANAGEMENT BRANCH ENVIRONMENT CANADA PVM OTTAWA ON K1A 1C8	RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

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ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

NAKATSU K
DEPT OF PHARMACOLOGY
QUEEN'S UNIVERSITY
KINGSTON ON
K7L 3N6

LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GC-MS.

NANTEL J
QUEENS UNIVERSITY
GOODWIN HALL
KINGSTON ONT
K7L 3N6

RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.

NARASIAH S
UNIVERSITE DE SHERBROOKE
DEPT DE GENIE CIVIL
SHERBROOKE QUE
J1J 2T1

WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

NASIM A
DIVISION OF BIOLOGICAL SCIENCES
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MECHANISMS OF MUTATION IN YEAST, ENVIRONMENTAL MUTAGENESIS AND CARCINOGENESIS. TRANSPOSABLE ELEMENTS.

NEAME P A
RESOURCES DEPT
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RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

NEILSON MM DR
MARITIMES FOREST RESEARCH CENTRE
ENVIRONMENT CANADA
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E3B 5P7

SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

NELSON JG
DEAN FACULTY OF ENVIR STUDIES
UNIVERSITY OF WATERLOO
DIVISION OF ENVIRONMENTAL STUDIES
WATERLOO ONT
N2L 3G1

HUMAN-ECOLOGY: RESOURCE-MANAGEMENT (NATIONAL PARKS AND RELATED RESERVES IN THE NORTH). COASTAL USE AND MANAGEMENT.

NETTERVILLE DDJ
ATMOSPHERIC RESEARCH COORDINATOR
SYNCRUDE CANADA LTD
10030 - 107 STREET
EDMONTON ALTA
T5J 3E5

PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

NETTLESHIP D N
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HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

NEWBURY RW
FRESHWATER INSTITUTE
FISHERIES AND OCEANS CANADA
501 UNIVERSITY CR
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RIVER AND STREAM BEHAVIOUR AND HABITATS. FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS. CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.

NEWHOUSE M T MCMASTER UNIV MED SCHOOL ST JOSEPH'S HOSPITAL HAMILTON ONT L8N 4A6	EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.
NEWKIRK RT DEPT URBAN AND REGIONAL PLANNING UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	WITH VARIOUS COLLEAGUES, WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.
NEWMAN DM NEWFOR INC 29 EAST 11TH ST PRINCE ALBERT SASK S6V 0Z8	FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.
NICHOLAICHUK W RESEARCH BRANCH AGRICULTURE CANADA PO BOX 1030 SWIFT CURRENT SASK S9H 3X4	SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.
NICHOLLS DORIS PROFESSOR BIOCHEMISTRY YORK UNIVERSITY 4700 KEELE STREET DOWNSVIEW ONT M3J 1P3	THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.
NKEMDIRIM L C PROFESSOR DEPT OF GEOGRAPHY UNIVERSITY OF CALGARY CALGARY ALBERTA T2N 1N4	HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.
NOBREGA G CENTRE DE DOCUMENTATION ENVIRONNEMENT QUEBEC 2360 CHEMIN SAINTE FOY SAINTE-FOY PQ G1V 4H2	DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.
NORECOL ENVIRONMENTAL CONSULTANTS 100-1281 WEST GEORGIA ST VANCOUVER BC V6E 3J7	ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.
NRIAGU JEROME O CANADA CENTER FOR INLAND WATERS ENVIRONMENT CANADA BURLINGTON ONTARIO L7R 4A6	CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.
NURSALL J R PROFESSOR DEPT OF ZOOLOGY UNIVERSITY OF ALBERTA EDMONTON ALBERTA T6G 2E9	ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC-POLICY; WASTE-MANAGEMENT.
O'BRIEN P J DEPT OF BIOCHEMISTRY MEMORIAL UNIVERSITY OF NEWFOUNDLAND ST JOHN'S NFLD A1B 3X9	THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

O'SULLIVAN P A AGRICULTURE CANADA RESEARCH BRANCH RESEARCH STATION LACOMBE ALTA TOC 1SO	BASIC AND APPLIED RESEARCH WITH EXPERIMENTAL AND LICENSED HERBICIDES; MODE OF ACTION, BASIS FOR SELECTIVITY; BEHAVIOUR IN MIXTURES; RESIDUE IN SOIL.
ODGERS J PROF TITULAIRE GENIE MECANIQUE UNIVERSITE LAVAL CITE UNIVERSITAIRE QUEBEC QUE G1K 7P4	POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.
OGDEN J G DEPT OF BIOLOGY DALHOUSIE UNIVERSITY HALIFAX N S B4H 3JB	ECOLOGICAL EFFECTS OF ACID-PRECIPITATION. RECENT CLIMATIC CHANGE: TRENDS AND IMPACTS.
OGRAM DR GL ATMOSPHERIC RESEARCH SECTION ONTARIO HYDRO 800 KIPLING AVE TORONTO ON M8Z 5S4	RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.
OLDHAM K B TRENT UNIVERSITY PETERBOROUGH ONT K9J 7B8	APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.
OLIVER B G CANADA CENTRE FOR INLAND WATERS 867 LAKESHORE ROAD P O BOX 5050 BURLINGTON ONT L7R 4A6	PATHWAYS OF ORGANIC CONTAMINANTS IN SEDIMENTS; BY-PRODUCTS OF DRINKING-WATER CHLORINATION.
OLIVER D R BIOSYSTEMATICS RESEARCH INSTITUTE AGRICULTURE CANADA P W NEATBY BUILDING OTTAWA ONTARIO K1A 0C6	TRAINED IN FRESHWATER BIOLOGY. CURRENT RESEARCH ON CHIRONOMIDAE (A GROUP OF PRIMARILY FRESHWATER INSECTS), MAINLY SYSTEMATICS BUT ALSO ECOLOGY, LIFE-HISTORY AND EVOLUTION.
OLIVIER ISABELLE CANADIAN INTERNATIONAL PAPER INC CP 914 LA TUQUE PQ G9X 3P8	SUPERVISEUR DE L'ENVIRONNEMENT DANS UN MOULIN DE PATES-ET-PAPIERS I.E. SEULEMENT DU CONTROLE, PAS DE RECHERCHE.
OSBORNE R V ENVIRONMENTAL RESEARCH BRANCH ATOMIC ENERGY OF CANADA LTD CHALK RIVER NUCLEAR LABORATORIES CHALK RIVER ON K0J 1J0	MANAGEMENT OF ENVIRONMENTAL RESEARCH PROGRAM INVESTIGATING PHYSICAL, CHEMICAL AND BIOLOGICAL PROCESSES THAT AFFECT MOVEMENT OF RADIONUCLIDES, AND ASSESSING RADIATION-DOSES FROM RADIOACTIVE-WASTES. RADIATION-PROTECTION PRINCIPLES AND PRACTICE, PARTICULARLY RELATING TO TRITIUM.
OSWALD E T CANADIAN FOREST SERV PACIFIC FOREST RES CEN DEPT OF THE ENVIRONMENT 506 W BURNSIDE ROAD VICTORIA B C V8Z 1M5	VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.
OUELLET MARCEL PROFESSEUR UNIVERSITE DU QUEBEC (INRS - EAU) 2700 RUE EINSTEIN STE-FOY QUEBEC G1V 4C7	PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

OUELLETTE G B CENTRE DE RECHERCHES FORESTIERES DE LAURENTIDES ENVIRONNEMENT CANADA C P 3800 STE-FOY QUEBEC G1V 4C7	PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.
OVEREND R P BIOENERGY PROGRAM NATIONAL RESEARCH COUNCIL OF CANADA BLDG M-55 MONTREAL RD OTTAWA ONT K1A OR6	ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.
OZBURN G W PROFESSOR DEPT OF BIOLOGY LAKEHEAD UNIVERSITY THUNDER BAY ONTARIO P7B 5E1	MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.
PAGE J A DEPT OF CHEMISTRY QUEEN'S UNIVERSITY KINGSTON ONTARIO K7L 3N6	TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.
PAGEAU YVON UNIVERSITE DU QUEBEC A MONTREAL CP 8888 SUCC A DEPT SCIENCES DE LA TERRE MONTREAL QUE H3C 3P8	ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.
PALMER CJ TECHNICAL DEVELOPMENT BR ALBERTA ENVIRONMENT 3RD FL COUSINS BLDG LETHBRIDGE AB T1J 4B3	RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.
PANISSET J C DEPT DE MEDECINE DU TRAVAIL ET D'HYGIENE DU MILIEU UNIVERSITE DE MONTREAL CP 6128 SUCC A MONTREAL QUE H3C 3J7	TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.
PANT BC VICE-PRES CIRCUL-AIRE PURAFIL CANADA LTD 5885 HENRI BOURASSA WEST MONTREAL QUE H4R 1B7	PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.
PARADINE P FEDERAL ENVIRONMENTAL ASSESSMENT REVIEW OFFICES ENVIRONMENT CANADA FONTAINE BLDG 13TH FL OTTAWA ONT K1A OH3	ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.
PARASKEVOPOULOS G DIVISION OF CHEMISTRY NATIONAL RESEARCH COUNCIL OF CANADA BUILDING M-12 ROOM 203 OTTAWA ONT K1A OR9	KINETICS AND MECHANISMS OF REACTIONS OF TROPOSPERIC AND STRATOSPHERIC INTEREST.

PARENT SERGE
AQUARIUM DE MONTREAL
LA RONDE
ILE STE HELENE
MONTREAL QUE
H3C 1AO

MON CHAMP DE RECHERCHE EST TRES PRECIS: AQUARIOPHILIE (ETUDE DES DIFFERENTS MODES DE CONSERVATION DES ANIMAUX AQUATIQUES EN CAPTIVITE).

PARMELEE J A
BIOSYSTEMATICS RESEARCH INSTIT
CENTRAL EXPERIMENTAL FARM
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TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

PARSONS T R
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MARINE-POLLUTION; FISHERIES; EXPERIMENTAL ECOSYSTEMS; RESEARCH; NUTRIENT-CYCLING; UNIVERSITY TEACHING.

PATEL G B
ASSISTANT RESEARCH OFFICER
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ISOLATION, CHARACTERIZATION AND THE STUDY OF THE PHYSIOLOGY OF OBLIGATE ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN NATURAL ECOSYSTEMS EG. CELLULOLYTIC, METHANOGENIC AND SACCHARDYTIC ANAEROBES.

PATERSON RODNEY J
CHIEF MARINE HABITAT DIV
FISHERIES AND OCEANS CANADA
240 SPARKS ST 7TH FL WEST
OTTAWA ONT
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PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

PATNI N K
RESEARCH SCIENTIST
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K1A OC6

AGRICULTURAL AND RELATED WASTES. FARM-POLLUTION ABATEMENT.

PATTIMORE J H
THE SIQOQ GROUP
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RR 2
LORETTE MAN
ROA OYO

WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

PAUL PM
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INVOLVEMENT WITH THE REVISION OF THE CANADIAN FOREST FIRE DANGER-RATING SYSTEM (CFFDRS).

PAZDERNIK LJ
DEPT CHIMIE-BIOLOGIE
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ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

PEAKALL D B
HEAD WILDLIFE TOXICOLOGY SECTION
CANADIAN WILDLIFE SERVICE
ENVIRONMENT CANADA
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HULL PQ
K1A OE7

ENVIRONMENTAL-POLLUTANTS (ESPECIALLY OIL) ON REPRODUCTION OF BIRDS. ESPECIALLY ALTERATION OF PHYSIOLOGY AND BIOCHEMISTRY.

PEARCE P A
CANADIAN WILDLIFE SERVICE
P O BOX 400
FREDERICTON N B
E3B 4Z9

IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY.

PENNER E GEOTECHNICAL SECTION DIV OF BUILDING RESEARCH NATIONAL RESEARCH COUNCIL OTTAWA ONT K1A OR6	ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.
PEPPER J M DEPT OF CHEMISTRY UNIVERSITY OF SASKATCHEWAN SASKATOON SASK S7N OWO	CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.
PERCY J A ARCTIC BIOLOGICAL STATION DEPT OF FISHERIES AND OCEANS P O BOX 400 STE ANNE DE BELLEVUE QUEBEC H9X 3L6	ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.
PERKS W T DEAN FACULTY OF ENVIRONMENTAL DESIGN UNIVERSITY OF CALGARY (EVDS) 2920 24 AVENUE N W CALGARY ALBERTA T2N 1N4	STRATEGIC AND DEVELOPMENT PLANNING; URBAN-DEVELOPMENT; ENVIRONMENTAL EDUCATION AND TRAINING; POLICY-PLANNING AND ANALYSIS.
PETERS R H BIOLOGY DEPT MCGILL UNIVERSITY MONTREAL QUEBEC H3A 1B1	ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS, CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.
PETERS T H AGRICULTURAL DEPT INCO METALS COMPANY COPPER CLIFF ONT POM 1NO	REVEGETATION OF INDUSTRIALLY STRESSED LANDS.
PHILOGENE BIR DEPT DE BIOLOGIE UNIVERSITE D'OTTAWA 30 SOMERSET ST E OTTAWA ON K1N 6N5	LUTTE CONTRE LES INSECTES. UTILISATION DES PESTICIDES ET LEUR IMPACT; LUTTE INTEGREE.
PHINIOTIS E TECHNICAL DIRECTOR CALONA WINES 1125 RICHTER ST KELOWNA B C V1Y 2K6	CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.
PHIPPS JENNY NATIONAL RESEARCH COUNCIL 100 SUSSEX DRIVE OTTAWA ONT K1A OR6	MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.
PIENING L PLANT PATHOLOGIST RESEARCH BRANCH AGRICULTURE CANADA LACOMBE ALTA TOC 1SO	CHEMICAL AND BIOLOGICAL-CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.
PIERCE RONALD C NATIONAL RESEARCH COUNCIL OF CANADA 100 SUSSEX DRIVE OTTAWA ONTARIO K1A OR6	INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

PIERCE T W
LANDS DIRECTORATE
ENVIRONMENT CANADA
OTTAWA ONT
K1A OE7

CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

PIIRVEE R
PETAWAWA NATIONAL FORESTRY INST
CANADIAN FORESTRY SERVICE
CHALK RIVER ONT
KOJ 1JO

FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

PILON PAUL J
WATER RESOURCES BR HYDROLOGY DIV
ENVIRONMENT CANADA
PLACE VINCENT MASSEY
OTTAWA ON
K1A OE7

STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

PINEL-ALLOUL BERNADETTE
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ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

PLATFORD R F
CANADA CENTRE FOR INLAND WATERS
LAKESHORE ROAD
BURLINGTON ONTARIO
L7R 4A6

RADIOCHEMISTRY OF NATURALLY OCCURRING RADIOISOTOPES AND RADIO-CHEMISTRY OF FISSION PRODUCTS.

PLATONOW N
HEALTH PROTECTION BR
HEALTH & WELFARE CANADA
OTTAWA ONTARIO
K1A OL2

TOXICOLOGICAL-EVALUATION OF FOOD-ADDITIVES, PESTICIDES AND CONTAMINANTS. TOXICOLOGIST IN AREA OF FOOD-PRODUCING DOMESTIC ANIMALS.

POLAND J S
CHEMISTRY DEPT
QUEEN'S UNIVERSITY
KINGSTON ON
K7L 3N6

ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

POLLETT DR FC
PETAWAWA NATIONAL FORESTRY INST
ENVIRONMENT CANADA
CHALK RIVER ONT
KOJ 1JO

EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

POLLOCK TL
HEAD,ANALYTICAL SERVICES DIV
WATER QUALITY BR, INLAND WATERS DIR
ENVIRONMENT CANADA
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MONCTON NB E1C 8N6

OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

POLLUTION PROBE FOUNDATION
12 MADISON AVE
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M5R 2S1

THE POLLUTION-PROBE-FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENTS TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

POLLUTION PROBE OTTAWA CARLETON
53 QUEEN ST SUITE 54
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POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

PRASAD R DEPT OF ENVIRONMENT FOREST PEST MANAGEMENT INSTITUTE P O BOX 490 SAULT STE MARIE ONT P6A 5M7	EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.
PREE D J AGRICULTURE CANADA RESEARCH STATION VINELAND ONT LOR 1SO	INSECTICIDE TOXICOLOGY. PEST-MANAGEMENT. RESISTANCE STUDIES WITH TREE FRUIT INSECTS.
PRESTON KEITH DIVISION OF CHEMISTRY NATIONAL RESEARCH COUNCIL OF CANADA BUILDING M-12 ROOM 205 OTTAWA ONT K1A OR9	ELECTRON SPIN RESONANCE SPECTROSCOPY.
PRICE IOLA CANADIAN WILDLIFE SERVICE ENVIRONMENT CANADA OTTAWA ONT K1A OE7	COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS. LOONS. HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.
PROCTOR & REDFERN GROUP C/O MARKETING COORDINATOR CONSULTING ENGINEERS AND PLANNERS 45 GREEN BELT DR DON MILLS ONT M3C 3K3	SPECIALIZED EXPERTISE IN THE FIELDS OF SOLID AND LIQUID INDUSTRIAL WASTE-MANAGEMENT AND ALTERNATE-FUELS.
PROKOPUK ROY ENERGY MINES AND RESOURCES CANADA CANADIAN CENTRE FOR MINERAL ENERGY TECHNOLOGY ENERGY RES LAB 555 BOOTH ST OTTAWA ONT K1A OG1	FOSSIL-FUELS FOR HEATING. POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.
PROTZ R DEPARTMENT OF LAND RESOURCE SCIENCE UNIVERSITY OF GUELPH GUELPH ONTARIO N1G 2W1	SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.
PUGSLEY WI CHIEF HYDROMETEOROLGY DIV ATMOSPHERIC ENVIRONMENT SERVICE ENVIRONMENT CANADA 4905 DUFFERIN ST DOWNSVIEW ONT M3H 5T4	NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).
QUEDNAU F W CENTRE DE RECHERCHES FORESTIERES DE LAURENTIDES 1080 RTE DU VALLON STE-FOY QUE G1V 3A1	BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).
QUIGLEY R M PROFESSOR FACULTY OF ENGINEERING UNIVERSITY OF WESTERN ONTARIO LONDON ONTARIO N6A 5B9	MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.
QURESHI FA HEAD BOTANY & WEEDS SECTION ALBERTA ENVIRONMENTAL SECTION BOX 399 VEGREVILLE ALTA TOB 4LO	PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES. ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS. EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

RAAD AWNI DEPT OF AGRICULTURE AND FORESTRY P O BOX 2000 CHARLOTTETOWN P E I C1A 7N3	SOIL-SCIENTIST WITH MAJOR WORK IN CALCAREOUS SOILS AND THE INFLUENCE OF CACO3 ON NUTRIENTS MOBILITY IN SOILS.
RAMALHO RS PROFESSEUR ET DIRECTEUR DEPARTEMENT DE GENIE CHIMIQUE UNIVERSITE LAVAL QUEBEC QUEBEC G1K 7P4	WASTEWATER-TREATMENT PROCESSES. AUTHOR OF SEVERAL PUBLICATIONS ON THIS SUBJECT.
RANDALL D J ZOOLOGY UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	RESPIRATION AND CIRCULATION OF LOWER VERTEBRATES PARTICULARLY FISH. EDITOR OF "FISH PHYSIOLOGY".
RAO A V FOOD SCIENCES UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A8	NUTRITIONAL TOXICOLOGY. ENVIRONMENTAL CONTAMINATION OF FOOD. EXPERTISE IN THE AREA OF FOOD SCIENCE, NUTRITION AND TOXICOLOGY.
RAO S S NATIONAL WATER RESEARCH INSTITUTE CANADA CENTRE FOR INLAND WATERS 867 LAKESHORE ROAD BURLINGTON ONT L7R 4A6	MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.
READ D C SENIOR RESEARCH SCIENTIST AGRICULTURE CANADA RESEARCH STATION P O BOX 1210 CHARLOTTETOWN P E I C1A 7M8	TOXICITY AND PERSISTENCE OF PESTICIDES IN SOIL AND PLANT-TISSUE.
REDMANN R E DEPT CROP SCIENCE & PLANT ECOLOGY UNIVERSITY OF SASKATCHEWAN SASKATOON SASK S7N 0W0	PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.
REED AUSTIN CANADIAN WILDLIFE SERVICE DEPT OF THE ENVIRONMENT 114 ROUTE DE L'EGLISE STE-FOY PQ G1V 4H5	RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.
REGIER H A INSTITUTE FOR ENVIRONMENTAL STUDIES UNIVERSITY OF TORONTO TORONTO ONTARIO M5S 1A4	REHABILITATION OF DEGRADED AQUATIC ECOSYSTEMS ESPECIALLY WITH RESPECT TO PRODUCTION OF VALUED FISH SPECIES. ASSESSMENT AND MANAGEMENT OF WILD FISHERY RESOURCES; ALL OF THE ABOVE IN AN INTERDISCIPLINARY CONTEXT.
REID J R LANDS DIRECTORATE ENVIRONMENT CANADA OTTAWA ON K1A 0E7	ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.
REID JD BOUNDARY LAYER RESEARCH DIV ATMOSPHERIC ENVIRONMENT SERVICE 4905 DUFFERIN ST DOWNSVIEW ONT M3H 5T4	PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

REID R H
BC MINISTRY OF ENVIRONMENT
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VICTORIA BC
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HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

RENNIE P J
CANADIAN FORESTRY SERVICE
ENVIRONMENT CANADA
OTTAWA ONT
K1A 1G5

PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING. FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

RETALLACK JOHN T
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ACUATIC ECOLOGY; TAILINGS PONDS; TAR-SANDS.

REYES A A
AGRICULTURE CANADA RESEARCH STATION
VINELAND STATION ONTARIO
LOR 2E0

SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

REYNOLDS P J
A/CHIEF SOCIO-ECONOMIC DIV
INLAND WATERS DIRECTORATE
ENVIRONMENT CANADA
OTTAWA ONT
K1A 0E7

PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

RICH GS
DEPT URBAN AND REGIONAL PLANNING
UNIVERSITY OF WATERLOO
WATERLOO ONT
N2L 3G1

LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

RING R A
BIOLOGY
UNIVERSITY OF VICTORIA
VICTORIA B C
V8W 2Y2

ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL-INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

RITCEY G R
MINES BRANCH
DEPT OF ENERGY MINES & RESOURCES
OTTAWA ONTARIO
K1A 0G1

PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

RITCHIE A
BANTING INSTITUTE
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PATHOLOGY OF OCCUPATIONAL LUNG-DISEASE.

ROBERGE MRR
CENTRE OF RECHERCHES FORESTIERES
D'ENVIRONNEMENT CANADA
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G1V 4C7

FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

ROBERTS J RUSSELL
RESEARCH COUNCIL OFFICER
NATIONAL RESEARCH COUNCIL OF CANADA
100 SUSSEX DRIVE
OTTAWA ONT
K1A 0R6

ASSESSMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL STANDARDS: PREDICTION OF FATE OF ORGANIC-CHEMICALS IN THE ENVIRONMENT: COORDINATION OF IMPACT AND CRITERIA ASSESSMENTS: MODELS FOR ACCUMULATION OF ORGANIC-CHEMICALS.

ROBERTS KJ ENVIRONMENTAL TECHNOLOGY SECTION ENVIRONMENT ONTARIO 135 ST CLAIR AVE W TORONTO ON M4V 1P5	DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION, TREATMENT AND DISPOSAL, SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.
ROBERTSON E ENVIRONMENTAL RESEARCH BR ATOMIC ENERGY OF CANADA LTD CHALK RIVER NUCLEAR LABS CHALK RIVER ON KOJ 1JO	ENVIRONMENTAL FLUID-DYNAMICS AS RELATED TO ATMOSPHERIC DISPERSION AND BASIN HYDROLOGY. PARTICULAR INTEREST IN LAKE EVAPORATION AND LAKE MIXING.
ROBERTSON J A ONTARIO DEPT OF MINES PARLIAMENT BUILDINGS TORONTO ONT M7A 1W3	POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
ROBERTSON W NOVA SCOTIA RESEARCH FOUNDATION PO BOX 790 DARTMOUTH NS B2Y 3Z7	DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.
ROBEY HL BIO AND CHEM ENGINEERING ONTARIO RESEARCH SHERIDAN PARK MISSISSAUGA ON L5K 1B3	INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.
RODGERS PG ENVIRONMENT PROTECTION SERVICE ENVIRONMENTAL INTERPRETATION DIV ENVIRONMENT CANADA 12TH FLOOR PVM OTTAWA ON K1A 1C8	ASSESSMENT OF ENVIRONMENTAL CONCERNS MAINLY IN THE AREA OF INDUSTRIAL AND TOXIC CHEMICAL PROBLEMS IN CANADA.
ROFF J C DEPT OF ZOOLOGY UNIVERSITY OF GUELPH GUELPH ONTARIO N1G 2W1	BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS, CHEMICAL AND PHYSICAL OCEANOGRAPHY.
ROGALSKY JOHN HEAD DATA MANAGEMENT CANADA CENTRE FOR INLAND WATERS DEPT OF THE ENVIRONMENT 867 LAKESHORE RD P O BOX 5050 BURLINGTON ONTARIO L7R 4A6	CONSULTANT. ENVIRONMENTAL DATA-MANAGEMENT. ELECTRONIC DATA-PROCESSING SYSTEMS DEVELOPMENT. CLIMATOLOGICAL APPLICATIONS DESIGN. COMPUTER-SYSTEMS IMPLEMENTATION. UNEP DATA-MANAGEMENT EXPERIENCE.
ROMANO L S DIRECTOR POLLUTION CONTROL CORPORATION OF THE CITY OF WINDSOR WINDSOR ONT N9J 6S1	CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.
ROSA N AGRICULTURE CANADA RESEARCH STATION DELHI ONTARIO N4B 2W9	MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.
ROSEBOROUGH J D ONTARIO MINISTRY OF NATURAL RES WHITNEY BLOCK TORONTO ONTARIO M7A 1W3	WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

ROSEHART RG
LAKEHEAD UNIVERSITY
OLIVER ROAD
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WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

ROSENBERG D M
FRESHWATER INSTITUTE
FISHERIES AND OCEANS CANADA
501 UNIVERSITY CR
WINNIPEG MAN
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DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

ROSLYCKY E B
DEPT OF AGRICULTURE
RESEARCH INSTITUTE
UNIVERSITY SUB POST OFFICE
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N6A 5B7

STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

ROSS WILLIAM
ENVIRONMENTAL DESIGN
UNIVERSITY OF CALGARY
CALGARY ALBERTA
T2N 1N4

ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY-POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

ROWLES CHARLES A
DEPT OF SOIL SCIENCE
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SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

ROWSELL J A
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CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

RUBEC C D A
LANDS DIRECTORATE
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ECOLOGICAL LAND-SURVEY, APPLICATIONS, LAND-MANAGEMENT AND DATA-SYSTEMS, LAND-USE MONITORING.

RUEL DR M
HEAD ENVIRONMENTAL PROTECTION BR
CANADA OIL AND GAS LANDS ADMIN
ENERGY MINES AND RESOURCES CANADA
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VANIER ONT
K1L 6S4

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RUKAVINA NORMAN A
HEAD PHYSICAL SEDIMENTOLOGY SECTION
CANADA CENTRE FOR INLAND WATERS
DEPARTMENT OF THE ENVIRONMENT
P O BOX 5050
BURLINGTON ONTARIO
L7R 4A6

GREAT-LAKES COASTAL EROSION AND SEDIMENTATION. GREAT-LAKES NEARSHORE SEDIMENTS. NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

RUTHERFORD I D
ATMOSPHERIC ENVIRONMENT SERVICE
4905 DUFFERIN ST
DOWNSVIEW ONT
M3H 5T4

NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

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RYAN PM
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RYDER R A
RESEARCH SCIENTIST
ONT MINISTRY OF NATURAL RESOURCES
P O BOX 2089
THUNDER BAY ONTARIO
P7B 5E7

STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

SADAR MH
FEDERAL ENVIRONMENTAL ASSESSMENT
REVIEW OFFICE FEARO
ENVIRONMENT CANADA
FONTAINE BLDG
OTTAWA ON
K1A 0H3

SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT-PANELS, MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF ENVIRONMENTAL-ASSESSMENT RESEARCH ADVISORY COMMITTEE (EARAC) SECRETARIAT, SCIENTIFIC AUTHORITY AND PROJECT MANAGER OF FEARO RESEARCH PROJECTS.

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K1G 3Z5

BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

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GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

SAKUMA T
SCIEX INC
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THORNHILL
ONT
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APPLICATIONS OF TANDEM MASS-SPECTROMETRY FOR RAPID SCREENING OF POLYCHLORINATED DIBENZODIOXINS AND FURANS IN VARIOUS ENVIRONMENTAL MATRICES.

SAMPATH P
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GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

SAN RHC
CHIEF CARCINOGEN TESTING
BRITISH COLUMBIA CANCER RESEARCH FD
601 WEST 10TH AVE
VANCOUVER BC
V5Z 1L3

ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

SANDEMAN F J
PROGRAM HEAD - EXPERIMENTAL ECOLOGY
RESEARCH AND RESOURCE SERVICES
DEPT OF FISHERIES AND OCEANS
ST JOHN'S NFLD
A1C 1A1

STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

SANDERS CJ
CANADIAN FORESTRY SERVICE
ENVIRONMENT CANADA
PO BOX 490
SAULT STE MARIE ONT
P6A 4C8

BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

SANDERSON H P
ATMOSPHERIC CHEMISTRY
ATMOSPHERIC ENVIRONMENT SERVICE
DOWNSVIEW ONT
M3H 5T4

ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

SANDERSON MARIE E
GREAT LAKES INSTITUTE
UNIVERSITY OF WINDSOR
WINDOR, ONT.
N9B 3P4

CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER-BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

SARKAR B
RESEARCH INSTITUTE
HOSPITAL FOR SICK CHILDREN
555 UNIVERSITY AVENUE
TORONTO ONT
M5G 1X8

TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL-EXPOSURE. TRANSPORT FORMS OF COPPER IN HUMAN SERUM.

SASKATCHEWAN FORESTRY ASSOCIATION
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PRINCE ALBERT SASK
S6V 0Z8

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SATTAR S A
DEPT OF MICROBIOLOGY
SCHOOL OF MEDICINE
UNIVERSITY OF OTTAWA
451 SMYTH RD
OTTAWA ON
K1H 8M5

VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

SAWCHYN W W
RESEARCH SCIENTIST
CHEMISTRY DIVISION
SASKATCHEWAN RESEARCH COUNCIL
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AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

SCACE DR R C
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MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

SCARRATT D J
FISHERIES RESEARCH BOARD OF CANADA
BIOLOGICAL STATION
ST ANDREWS N B
E0G 2X0

IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS.

SCARRATT J B
GREAT LAKES FOREST RESEARCH CENTRE
CANADIAN FORESTRY SERVICE
DEPT OF THE ENVIRONMENT
P O BOX 490
SAULT STE MARIE ONTARIO
P6A 5M7

USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

SCHEELAR M D
CONSULTANT
3591 ESQUIRE RD
KELOWNA BC
V1X 6L3

SOIL MAPPING, CLASSIFICATION. SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

SCHMIDTKE DR N W
NORBERT W SCHMIDTKE & ASSOCIATES
178 LOUISA ST
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159 FREDERICK ST
N2H 2M6

INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SCHREIER H
DEPT OF SOIL SCIENCE
UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER BC
V6T 1W5

WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

SCHROEDER WILLIAM H
ENVIRONMENT CANADA
ATMOSPHERIC ENVIRONMENT SERVICE
4905 DUFFERIN ST
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ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.

SCHWASS R D
ENVIRONMENTAL STUDIES
YORK UNIVERSITY
4700 KEELE ST
DOWNSVIEW ONT
N3J 2R2

CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

SCOTT D S
INSTITUTE FOR HYDROGEN SYSTEMS
2480 DUNWIN DR
MISSISSAUGA ON
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CONDUCTS AND PROMOTES SYSTEMS-ANALYSIS, RESEARCH, DEVELOPMENT, DEMONSTRATION AND COMMERCIALIZATION OF HYDROGEN, AND HYDROGEN RELATED ENERGY SYSTEMS.

SCOTT J S
BIOLOGICAL STATION
DEPT OF FISHERIES AND OCEANS
ST ANDREWS N B
E0G 2X0

GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE. ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

SCOTT P M
HEALTH PROTECTION BRANCH
HEALTH & WELFARE CANADA
HPB BUILDING
TUNNEY'S PASTURE
OTTAWA ONTARIO
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RESEARCH ON MYCOTOXINS, PRIMARILY ON ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS, AND ISOLATION FROM FUNGI. CURRENT INTERESTS INCLUDE DEOXYNIVALENAL (VOMITOXIN) AND OTHER TRICHOTHECENES FROM FUSARIUM SPECIES.

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HYDROLOGIC MONITORING AND ANALYSIS AND RIVER-BEHAVIOUR STUDIES, BOTH FOR ENVIRONMENTAL INVESTIGATIONS AND PROJECT DESIGN. MULTI-AND INTER-DISCIPLINARY PROJECT MANAGEMENT AND COORDINATION FOR PROJECT PLANNING AND ENVIRONMENTAL INVESTIGATIONS.

SECOY D M
DEPT OF BIOLOGY
UNIVERSITY OF REGINA
REGINA SASK
S4S 0A2

HERPETOLOGY, SPECIFICALLY REPTILES: BIRDS: ECOLOGY OF HIGH-LATITUDE VERTEBRATES: HISTORY OF PRE-INDUSTRIAL PEST-CONTROL.

SEGARAN S
FOREST RESEARCH SPECIALIST
DEPT OF MINES NATURAL RESOURCES
AND ENVIRONMENT
BOX 46 1495 ST JAMES STREET
WINNIPEG MANITOBA
R3H 0W9

SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

SEIF FARHAD
ENVIRONMENTAL SERVICES
PETRO CANADA
240 DUNCAN MILL RD
DON MILLS ONT
M3B 3B2

ORGANIC-CHEMISTRY, ENVIRONMENTAL PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT.

SEMELUK G P
CHEMISTRY
UNIVERSITY OF NEW BRUNSWICK
FREDERICTON N B
E3B 6E2

PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

SENYK JOHN P
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506 W BURNSIDE ROAD
VICTORIA BC
V0Z 1M5

ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

SEREDA PETER J
DIVISION OF BUILDING RESEARCH
BUILDING MATERIALS
NATIONAL RESEARCH COUNCIL OF CANADA
BUILDING M-20 ROOM 171
OTTAWA ONTARIO
K1A 0R6

CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

SERGEANT D E
ARCTIC BIOLOGICAL STATION
DEPT OF FISHERIES & OCEANS
ARCTIC BIOLOGICAL STA
555 BLVD ST-PIERRE
STE ANNE DE BELLEVUE PQ
H9X 3R4

BIOLOGY AND MANAGEMENT OF MARINE MAMMALS (SEALS, WHALES) IN THE NORTHERN HEMISPHERE.

SERODES J
DEPT GENIE CIVIL
UNIVERSITE LAVAL
CITE UNIVERSITAIRE
QUEBEC QUE
G1K 7P4

SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SHAH B G
NUTRITION RESEARCH DIV
BANTING RESEARCH CENTRE
ROSS AVE
OTTAWA ONT
K1A 0L2

MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES, BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

SHALINSKY W
SCHOOL OF URBAN & REGIONAL PLANNING
UNIVERSITY OF WATERLOO
WATERLOO ON
N2L 3G1

SMALL GROUPS IN PLANNING AND POLICY. ENVIRONMENTS OF THE DISABLED. SERVICES FOR THE DISABLED. SOCIAL-PLANNING. RELATIONSHIP BETWEEN SOCIAL-PLANNING AND PHYSICAL (LAND-USE) PLANNING.

SHANTORA V
TRANSPORTATION SYSTEMS DIV
ENVIRONMENT CANADA
OTTAWA ONT
K1V 0E2

DIVISION RESPONSIBLE FOR THE DEVELOPMENT OF ENVIRONMENTAL-PROTECTION MEASURES RELATED TO MOTOR-VEHICLES, PIPELINES, SHIPPING, ROADS AND PORTS AND HARBOURS.

SHARP D S
INTERNATIONAL DEVELOPMENT RESEARCH
CENTRE 60 QUEEN ST
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OTTAWA ONT
K1G 3H9

ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

SHAW D R
ENERGY RESOURCE & CONSERVATION BD
ROOM 201 ENGINEERING BLDG
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DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

SHAW R K
DEPT OF NATIONAL DEFENCE
406 PROSPECT DR SW
MEDICINE HAT AB
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LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

SHEMANCHUK J A
RESEARCH SCIENTIST (ENTOMOLOGY)
AGRICULTURE CANADA RESEARCH STATION
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INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

SHEWCHUK S R
PHYSICS DIVISION
SASKATCHEWAN RESEARCH COUNCIL
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ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES, GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.

SHINDLER DR D B
PROJECT DIRECTOR - BIOTECHNOLOGY
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SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

SIBUL U
HEAD RESOURCE ASSESSMENT
HYDROLOGY AND MONITORING SECTION
WATER RES BRCH MIN OF THE ENV
135 ST CLAIR AVENUE WEST
TORONTO ONTARIO
M4P 1P5

WATER-RESOURCES INVENTORY STUDIES AND MANAGEMENT. GROUNDWATER DEVELOPMENT AND PROTECTION FROM CONTAMINATION. HYDROGEOLOGY STUDIES AND EVALUATIONS.

SILK P J
NB RESEARCH & PRODUCTIVITY COUNCIL
P O BOX 6000
COLLEGE HILL ROAD
FREDERICTON N B
E3B 5M1

INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

SILVER M
RESEARCH SCIENTIST
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AND ENERGY TECHNOLOGY
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OTTAWA ONT
K1A OG1

BIOTECHNOLOGY IN RELATION TO ENVIRONMENTAL ASPECTS OF THE MINING INDUSTRIES. TAILINGS, RADIONUCLIDES, LYSIMETERS.

SILVERMAN F
GAGE RESEARCH INST
UNIVERSITY OF TORONTO
TORONTO ONTARIO
M5T 1R4

RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

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SIMARD R M
DIR GEN PROTECTION DE LA SANTE
1001 ST LAURENT OUEST
LONGUEUIL QUE
J4K 1C7

SPECIALIZATION IN PESTICIDE-RESIDUES. ANALYSIS OF FOOD.

SIMPSON F
GEOLOGY
UNIVERSITY OF WINDSOR
WINDSOR ONTARIO
N9B 3P4

POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

SIMPSON K J
ALBERTA DEPT OF THE ENVIRONMENT
9820-106TH ST
EDMONTON ALBERTA
T5K 2J6

HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS. MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.

SIMS R A
CANADIAN FORESTRY SERVICE
ENVIRONMENT CANADA
PO BOX 490 GREAT LAKES FOREST RES
SAULT STE MARIE ONT
P6A 5M7

VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

SIMS WA
ASST PROFESSOR
INST OF APPLIED ECONOMIC RESEARCH
CONCORDIA UNIVERSITY
1440 ST CATHERINE ST W SUITE 424
MONTREAL PQ
H3G 1M8

INVESTIGATION OF ALLOCATIVE AND DISTRIBUTIONAL IMPLICATIONS OF ALTERNATIVE ENVIRONMENTAL PUBLIC-POLICIES; THE COMPARISON OF ALTERNATIVE ENVIRONMENTAL INCENTIVE SCHEMES (I.E. CHARGES, STANDARDS, RIGHTS SCHEMES, ETC).

SINGHAL R L
PHARMACOLOGY
UNIVERSITY OF OTTAWA
451 SMYTH RD
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K1H 8M5

STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

SINGLETON D L
NATIONAL RESEARCH COUNCIL OF CANADA
DIVISION OF CHEMISTRY
OTTAWA ONT
K1A OR9

KINETICS AND MECHANISMS OF CHEMICAL-REACTIONS IN UPPER AND LOWER ATMOSPHERE.

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WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

SLATER G P
NATIONAL RESEARCH COUNCIL
PRAIRIE REGIONAL LABORATORY
UNIVERSITY CAMPUS
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S7N OW9

DETERMINATION OF ORGANIC-COMPOUNDS IN WATER USING CAPILLARY GAS CHROMATOGRAPHY MASS-SPECTROMETRY.

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TEXTILE SCIENCE; HUMAN COMFORT. PUBLICATION LIST OF SOME 80 SCIENTIFIC PAPERS, BOOKS, ETC. CURRENTLY ON SABBATICAL LEAVE IN CAMBRIDGE, ENGLAND.

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POLLUTION CONTROL BRANCH
MINISTRY OF ENVIRONMENT
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ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

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DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

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SMITH HOFFMAN ASSOCIATES LTD
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ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

SMITH D W
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THE DYNAMICS OF NATURAL VEGETATION AND THE EFFECTS OF AUTHROPOGENIC STRESSES ON VEGETATION.

SMITH DANIEL W DEPT OF CIVIL ENGINEERING UNIVERSITY OF ALBERTA EDMONTON ALTA T6G 2G7	WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.
SMITH DS CLAYTON ENVIRONMENTAL CONSULTANTS 400 HURON CHURCH RD WINDSOR ON N9C 2J9	SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.
SMITH HD FISHERIES RESEARCH BR FISHERIES & OCEANS CANADA 1090 W PENDER ST VANCOUVER BC V6E 2P1	FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.
SMITH JAMES WILMER DEPARTMENT OF CHEMICAL ENGINEERING UNIVERSITY OF TORONTO WALLBERG BUILDING TORONTO ONTARIO M5S 1A4	INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL. CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.
SMITH R E PROF DEPT OF MICROBIOLOGY COLLEGE OF BIOLOGICAL SCIENCE UNIVERSITY OF GUELPH GUELPH ONTARIO N1G 2W1	DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.
SMITH R S FORINTEK CANADA CORP 6620 N W MARINE DRIVE VANCOUVER B C V6T 1X2	WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.
SMITH T D ENTOMOLOGICAL SERVICES NS LANDS AND FORESTS PO BOX 68 TRURO NS B2N 5B8	EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.
SMITHSON G L CHEMISTRY DIVISION SASKATCHEWAN RESEARCH COUNCIL 30 CAMPUS DRIVE SASKATOON SASK S7N 0X1	ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.
SMYTHE L A MS ACRES CONSULTING SERVICES LTD BOX 1001 5259 DORCHESTER RD NIAGARA FALLS ONT L2E 6W1	GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.
SNC GROUP (THE) COMPLEXE DESJARDINS MONTREAL QUE H5B 1C8	TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.
SOHI S S CANADIAN FORESTRY SERVICE DEPT OF THE ENVIRONMENT P O BOX 490 SAULT STE MARIE ONTARIO P6A 5M7	IN VITRO INVESTIGATIONS ON INSECT-PATHOGENS.

SOLES DR JA DEPT OF ENERGY MINES AND RESOURCES 405 ROCHESTER ST OTTAWA ONT K1A 0G1	CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.
SOUTH G R DEPT OF BIOLOGY MEMORIAL UNIVERSITY OF NEWFOUNDLAND ST JOHN'S NFLD A1B 3X9	MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.
SOUTH P ADECON ENERGY SYSTEMS INC 21 GRENFELL CRES 7 NEPEAN ON K2G 0G3	WIND-ENERGY RESEARCH, DEVELOPMENT, AND PRODUCTION. EVALUATION OF NEW CONCEPTS.
SPINK EF TURBOTAK INC 323 GRANT CRESCENT WATERLOO ONT N2K 2A3	INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.
SPIRATOS I HANDY CHEMICALS LTD 745 STE ROSE ST LA PRAIRIE QUE J5R 1Z2	MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.
SPRAGUE J B PROFESSOR ZOOLOGY UNIVERSITY OF GUELPH GUELPH ONTARIO N1G 2W1	WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC-ORGANISMS.
ST-LAURENT ANDRE FORINTEK CANADA CORP 800 MONTREAL RD OTTAWA ONT K1G 3Z5	IMPROVED METHODS OF LUMBER FABRICATION FROM LOGS: WOOD-MACHINING, WOOD-CUTTING, FELLING OF TREES AND WOOD-CUTTING MACHINERY IN GENERAL.
ST-PIERRE CC CLAYTON ENVIRONMENTAL CONSULTANTS 400 HURON CHURCH ROAD WINDSOR ONT H9C 2J9	AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.
STADE M AVIATION PLANNING SERVICES LTD 800 DORCHESTER BLVD WEST SUITE 1420 MONTREAL QUE H3B 1X9	NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.
STAIRS RA PROFESSOR DEPT OF CHEMISTRY TRENT UNIVERSITY PETERBOROUGH ONT K9J 7B8	ACID-PRECIPITATION: METHODS OF ESTIMATION OF ACIDITY. OCCUPATIONAL-HEALTH AND SAFETY. HAZARDOUS-WASTE MANAGEMENT.
STAVRIC B FOOD AND DRUG DIRECTORATE NATIONAL HEALTH & WELFARE OTTAWA ONTARIO K1A 0L2	MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).
STECHISHEN E PETAWAWA NATIONAL FORESTRY INST CHALK RIVER ONT K0J 1J0	USE AND EFFECTIVENESS OF FOREST-FIRE RETARDANTS; USE OF AIR-TANKERS AND THEIR EFFECTIVENESS IN FOREST-FIRE SUPPRESSION.

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SYSTEMATICS, ECOLOGY AND PHYTOGEOGRAPHY OF FRESHWATER ALGAE, WITH EMPHASIS ON THE GREEN ALGAE; PARTICULAR INTERESTS INVOLVE ALGAE OF BRITISH-COLUMBIA AND WESTERN NORTH AMERICA.

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GENERAL KNOWLEDGE ON CANADIAN FORESTRY SECTOR. KNOWLEDGE OF INTERNATIONAL FORESTRY ORGANIZATIONS AND BILATERAL RELATIONS IN FORESTRY BETWEEN CANADA AND OTHER COUNTRIES.

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BIOLOGICAL WASTEWATER-TREATMENT; PROCESS OPERATIONS AND CONTROL; MODELLING; INSTRUMENTATION.

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SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

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STRUCTURAL GEOLOGY. APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

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COMPOSITION OF DEEP SEA NODULES; PROBLEMS OF HEALTH RELATED TO MINING.

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MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

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STRATA MECHANICS AND ENVIRONMENTAL FACTORS THAT INFLUENCE THE HEALTH, SAFETY AND EFFICIENCY OF UNDERGROUND COAL-MINING IN THE ATLANTIC-REGION.

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BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

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PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

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STEWART R B ATOMIC ENERGY OF CANADA WHITESHELL NUCLEAR RESEARCH ESTAB PINAWA MB ROE 1LO	ANALYTICAL-CHEMISTRY FOR NUCLEAR-FUEL WASTE-DISPOSAL.
STEWART R K MACDONALD CAMPUS MCGILL UNIVERSITY BOX 313 MONTREAL QUE H9X 1CO	INSECT ECOLOGY, PEST-MANAGEMENT, ENVIRONMENTAL-IMPACT, INSECT PEST-CONTROL.
STICH H F PROFESSOR ENVIRONMENTAL CARCINOGENESIS UNIT BRITISH COLUMBIA CANCER RES UNIT 601 WEST 10TH AVE VANCOUVER BC V5Z 1L3	EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.
STILES SA CHEMISTRY ACADIA UNIVERSITY WOLFVILLE NOVA SCOTIA BOP 1XO	PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILLAGE DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.
STOCKNER J G DEPT OF FISHERIES AND OCEANS 4160 MARINE DRIVE FISHERIES & MARINE SERVICE WEST VANCOUVER BC V7V 1N6	RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.
STRACHAN W M J HEAD TOXIC SUBSTANCES SECTION CANADA CENTRE FOR INLAND WATERS DEPT OF THE ENVIRONMENT P O BOX 5050 867 LAKESHORE RD BURLINGTON ONT L7R 4A6	INVESTIGATION OF PERSISTENT ORGANIC-CHEMICALS IN THE AQUATIC-ENVIRONMENT ESPECIALLY THEIR FATE AND DISTRIBUTION.
STRANG R M DR FOREST RESEARCH COUNCIL SUITE 305 7651 ALDERBRIDGE WAY RICHMOND BC V6X 1Z9	RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.
SUBRAHMANYAN TP DIRECTOR REGIONAL PUBLIC HEALTH LAB ONTARIO MINISTRY OF HEALTH KINGSTON ONT K7L 4V8	VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.
SUFFLING RC DEPT URBAN AND REGIONAL PLANNING UNIVERSITY OF WATERLOO WATERLOO ONT N2L 3G1	BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE-HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION-MANAGEMENT.
SUGDEN E A N PULP AND PAPER ENGINEERING TECHNOL SAULT COLLEGE OF APPLIED ARTS OF TECHNOLOGY PO BOX 60 SAULT STE MARIE ON P6A 5L3	UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.
SUNDARAM K M S DEPT OF THE ENVIRONMENT P O BOX 490 SAULT STE MARIE ONT P6A 5M7	CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

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PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION-SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC/TECHNICAL EDITING.

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WATER-QUALITY; PETROLEUM BY-PRODUCTS.

SWAN E P
FORINTEK CANADA CORP
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RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES-IDENTIFICATION.

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RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES, AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

SWITZER-HOWSE K D
LAND RESOURCE RESEARCH INST
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KW NEATHY BLDG
CENTRAL EXPERIMENTAL FARM
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EVALUATION OF AGRICULTURAL IMPACTS AND REMEDIAL MEASURES ON WATER-QUALITY AND QUANTITY; AGRICULTURAL-MANAGEMENT PRACTICES TO REDUCE SOIL-DEGRADATION; IMPACT OF DRAINAGE AND DRAIN-DESIGN ON EROSION, WATER-QUALITY AND QUANTITY.

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MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

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ALL AREAS OF CARBOHYDRATE-CHEMISTRY, PURE AND APPLIED.

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TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

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AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

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RESEARCH ON MEASUREMENTS OF SOURCES AND INDOOR AIR-CONTAMINANTS: CONTROL ON CONTAMINANT LEVELS.

TAYLOR F J R OCEANOGRAPHY UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	ECOLOGY OF BRITISH-COLUMBIA AND TROPICAL PHYTOPLANKTON. RED-TIDES. CIGUATERA FISH-POISONING. DINOFLAGELLATES.
TAYLOR MARGARET C SPECIALIST WATER QUALITY OBJECTIVES ENVIRONMENT CANADA PLACE VINCENT MASSEY OTTAWA ONT K1A OE7	FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.
TEDESCHI E T T VERSATECH PRODUCTS INC 60 RIVERSIDE DRIVE NORTH VANCOUVER BC V7H 1T4	DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.
TELANG SADANAND A PROFESSIONAL ASSOCIATE KANANASKIS CENTRE UNIVERSITY OF CALGARY BIO SC 042 CALGARY ALTA T2N 1N4	EFFECTS OF MAN'S ACTIVITY ON WATER-QUALITY IN TERMS OF ORGANIC-COMPOUNDS. TRANSPORT OF CARBON IN THE MAJOR RIVERS OF CANADA.
TESSIER A UNIVERSITE DU QUEBEC IRS EAU C P 7500 STE FOY QUE G1V 4C7	ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES ET LEUR ACCUMULATION DANS DES ORGANISMES-BIOLOGIQUES.
THIE J DIRECTOR LAND RESOURCES & DATA SYSTEMS BRANCH LANDS DIRECTORATE ENVIRONMENT CANADA OTTAWA ONT K1A OE7	LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.
THIRUMURTHI D DEPT OF CIVIL ENGINEERING NOVA SCOTIA TECHNICAL COLLEGE P O BOX 1000 HALIFAX NS B3J 2X4	LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.
THOMAS DW BIOLOGY DEPT CARLETON UNIV OTTAWA ONT K1S 5B6	ECOLOGY AND BEHAVIOUR OF CHIROPTERA, COMMUNITY STRUCTURE, FEEDING, FRUGIVORY, SEED-DISPERSAL, ENERGETICS, MANAGEMENT.
THOMAS M L H PROF OF BIOLOGY UNIVERSITY OF NEW BRUNSWICK P O BOX 5050 SAINT JOHN N B E2L 4L5	ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.
THOMPKINS PROF RW EMERITUS PROF QUEEN'S UNIVERSITY RR NO 1 641 UPPER HORNING RD ANCASTER ON L9G 3K9	ACTIVE CONSULTANT ON THE DESIGN OF URANIUM MINES.
THOMPSON D C HEAD TERRESTRIAL ENVIRONMENTS SYNCRUDE CANADA LTD 10030-107TH ST EDMONTON AB T5J 3E5	LAND-RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL-DEVELOPMENTS.

THOMPSON JP REID CROWTHER & PARTNERS LTD PO BOX 5600 STATION A 7410 BLACKFOOT TRAIL SE CALGARY ALTA T2W 2J7	NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.
THORPE JW NS RESEARCH FOUNDATION CORP 100 FENWICK ST PO BOX 790 DARTMOUTH NS B2Y 3Z7	ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.
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TODD E C D HEALTH & WELFARE CANADA HEALTH PROTECTION BRANCH HPB BUILDING TUNNEY'S PASTURE OTTAWA ONTARIO K1A 0L2	FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.
TOMKINS DJ MCMASTER UNIVERSITY DEPT OF PEDIATRICS 1200 MAIN ST WEST HAMILTON ONT L8N 3Z5	OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY: DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION-MONITORING.
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TONKS D B MONTREAL GENERAL HOSPITAL 1650 CEDAR AVE MONTREAL QUE H3G 1A4	TRACE-METAL ANALYSIS. PROFICIENCY TESTING (INTER-LABORATORY COMPARISONS). QUALITY-CONTROL OF ANALYTICAL PROCEDURES. INTERNATIONAL STANDARDIZATION OF ANALYTICAL METHODS FOR TRACE-METAL ANALYSES IN BIOLOGICAL SPECIMENS.
TOWNSEND D R DEPT OF CIVIL ENGINEERING UNIVERSITY OF OTTAWA OTTAWA ONTARIO K1N 9B4	WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.
TOWNSHEND AR CHIEF PROGRAM PLANNING & EVALUATION ENVIRONMENTAL PROTECTION SERVICE ENVIRONMENT CANADA OTTAWA ONT K1A 1C8	NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

TOWNSLEY P M DEPT OF FOOD SCIENCES FACULTY OF AGRICULTURAL SCIENCES UNIVERSITY OF BRITISH COLUMBIA VANCOUVER B C V6T 1W5	INDUSTRIAL FERMENTATIONS. BIOTECHNOLOGY. WASTE: HIGH TEMPERATURE PROCESSING. MUSHROOMS.
TRACY BL HEALTH AND WELFARE CANADA RADIATION PROTECTION BUREAU BROOKFIELD ROAD OTTAWA ONT K1A 1C1	HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.
TSEZOS DR M MCMASTER UNIVERSITY CHEMICAL ENGINEERING DEPT HAMILTON ONT L8S 4L7	WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.
TSUCHIYA Y DIVISION OF BUILDING RESEARCH NATIONAL RESEARCH COUNCIL OF CANADA BUILDING M-59 ROOM 117 OTTAWA ONT K1A OR6	ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING-MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS AND HPLC.
TU C M AGRICULTURE CANADA RESEARCH INSTITUTE UNIVERSITY SUB POST OFFICE LONDON ONTARIO N6A 5B7	INTERACTION BETWEEN PESTICIDES AND SOIL-MICROORGANISMS.
TYRRELL DAVID FOREST PEST MANAGEMENT INSTITUTE ENVIRONMENT CANADA P O BOX 490 SAULT STE MARIE ONT P6A 5M7	BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.
UNGER I DEPT OF CHEMISTRY UNIVERSITY OF NEW BRUNSWICK FREDERICTON N B E3B 5A3	PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.
UTHE JOHN F CHIEF CHEMISTRY DIVISION DEPT OF FISHERIES & OCEANS 1707 LOWER WATER STREET P O BOX 429 HALIFAX N S B3J 2S7	STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.
VAILLANCOURT G UNIVERSITE DU QUEBEC 3351 BOUL DES FORGES TROIS RIVIERES QUE G9A 5H7	METHODOLOGIE D'ETUDES D'IMPACTS. STRUCTURES DES GROUPEMENTS BENTHIQUES CARTOGRAPHIE ECOLOGIQUE.
VALLENTYNE JOHN R DEPT OF FISHERIES AND OCEANS GREAT LAKES BIOLIMNOLOGY LAB PO BOX 5050 867 LAKESHORE RD BURLINGTON ONT L7R 4A6	ENVIRONMENTAL EDUCATION; LIMNOLOGY; SCIENCE AND SOCIETY INTERACTION.
VAN COILLIE DR R CONSULTANT ASSOCIE 2692 AVE AURIGNY SAINTE-FOY PQ G1V 1B5	CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

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TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

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GROUNDWATER HYDROLOGY, MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

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PETROLEUM-HYDROCARBON POLLUTION, MARINE-POLLUTION, COASTAL-ZONE MANAGEMENT.

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WATER-RESOURCES POLICY. LAND-USE POLICY. WORLD FOOD PROBLEM. ENVIRONMENTAL AND RESOURCE ECONOMICS.

VERMEER KEES
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INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

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A TITRE D'ADJOINT AU DIRECTEUR DES COMMUNICATIONS ET DE L'EDUCATION JE SUPERVISE LE CONTENU SCIENTIFIQUE DES PRODUCTIONS DU MINISTERE DE L'ENVIRONNEMENT. BIOLOGISTE, VULGARISATEUR SCIENTIFIQUE, DIRECTEUR D'UNE COLLECTION PERSPECTIVES 2001.

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WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

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A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

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IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

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ROLE OF DISEASE IN DEVELOPING FOREST-ECOSYSTEMS.

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ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

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URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

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MANAGEMENT OF RESEARCH AND RELATED SCIENTIFIC ACTIVITIES IN OCEANOGRAPHY AND ENVIRONMENTAL-QUALITY. POLICY-DEVELOPMENT IN INTERNATIONAL MARINE AFFAIRS.

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DISPOSAL OF CHEMICAL-WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE.

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AIR-QUALITY CONTROL, COMBUSTION AND ENERGY CONSERVATION AND CONVERSION ARE THE AREAS OF RESEARCH WORK AND EXPERTISE. THIRTY-TWO PAPERS OF CONTRIBUTIONS HAVE BEEN PUBLISHED AT HOME AND ABROAD.

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THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

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TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

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RECLAMATION OF DRASTICALLY DISTURBED-LANDS WITH SPECIAL REFERENCE TO MINING-WASTES.

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MASS CULTURE OF EUGLENA GRACILIS ON ANIMAL-WASTES FOR THE PURIFICATION OF WATER AND THE PRODUCTION OF SCP OR FERTILIZER.

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RESEARCH MANAGEMENT, HAZARDOUS-WASTES MANAGEMENT, LABORATORY DESIGN.

WEAVER R S ALBERTA ENVIRONMENTAL CENTRE PO BOX 4000 VEGREVILLE ALTA TOB 4LO	MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.
WEBSTER D J HEAD PUBLIC WEATHER SERVICES ATMOSPHERIC ENVIRONMENT SERVICE 4905 DUFFERIN STREET DOWNSVIEW ONTARIO M3H 5T4	CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.
WEBSTER G R B PESTICIDE RESEARCH LABORATORY DEPARTMENT OF SOIL SCIENCE UNIVERSITY OF MANITOBA WINNIPEG MANITOBA R3T 2N2	TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.
WEIN R W ASSOCIATE PROFESSOR DEPT BIOLOGY U OF NEW BRUNSWICK BOX 4400 FREDERICTON N B E3B 5A3	RESEARCH INTERESTS INCLUDE USE OF FIRE IN RANGE, AGRICULTURE AND FORESTRY AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.
WEINBERGER P ASSOCIATE PROFESSOR DEPT OF BIOLOGY UNIVERSITY OF OTTAWA 30 SOMERSET EAST OTTAWA ONTARIO K1N 6N5	ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.
WELCH W ONTARIO HYDRO 700 UNIVERSITY AVE TORONTO ONT M5G 1X6	PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.
WEMYSS D POLLUTION CONTROL BRANCH MINISTRY OF ENVIRONMENT 135 ST CLAIR AVE WEST TORONTO ONT M9W 5L1	EVALUATION AND MODIFICATION OF METHODS AND INSTRUMENTS ASSOCIATED WITH DETERMINING SPECIFIC PARAMETERS OF RAW WATER, USING THE DATA FOR DRAWING UP AN OPTIMAL ECONOMIC METHOD FOR ITS EFFICIENT TREATMENT.
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WESTLAKE D W S DEPT OF MICROBIOLOGY UNIVERSITY OF ALBERTA EDMONTON ALBERTA T6G 2E9	OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS: ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS: ANTIBIOTIC BIOSYNTHESIS.
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PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

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CHEMICAL-ANALYSIS OF ENVIRONMENTAL-POLLUTANTS.

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MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

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DAMAGE-APPRAISAL, CAUSAL FUNGI, SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS-TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS.

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ENVIRONMENTAL-AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION-PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

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TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

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SOCIAL ASPECTS OF DEVELOPMENT, COMMUNITY PARTICIPATION ENVIRONMENTAL PERCEPTION, HUMAN RESPONSE TO HAZARDS, ENVIRONMENTAL RISK-ASSESSMENT.

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BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

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GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS; SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.

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RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

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AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

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OTTAWA ONTARIO
K1A 0L2

DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN-TISSUES. REMOVAL OF ORGANIC CONTAMINANTS FROM DRINKING-WATER.

WILLIAMS R B
SPRUCE FALLS POWER AND PAPER CO LTD
BOX 100
KAPUSKASING ONT
P5N 2Y2

RESPONSIBLE FOR ENVIRONMENTAL-CONTROL (AIR, WATER AND SOLID-WASTES) AT A 1000 TONNE PER DAY INTEGRATED PULP-AND-PAPER MILL.

WILSON D J
ASSOCIATE PROFESSOR
DEPT OF MECHANICAL ENGINEERING
UNIVERSITY OF ALBERTA
EDMONTON ALBERTA
T6G 2G8

RISK-ASSESSMENT; GAS BLOWOUTS; PIPELINES.

WILSON DAVID RJ
MONENCO LTD
PO BOX 3478 SOUTH POSTAL STN
HALIFAX NS
B3T 3J1

PREPARATION OF DESIGN AND OPERATING GUIDELINES FOR AQUACULTURAL-SYSTEMS FOR WARM AND COLD WATER SPECIES, INCLUDING RECIRCULATING FACILITIES. ASSESSMENT OF FISHERIES AND AQUATIC ASPECTS IN E.I.A.

WILSON M A
HEAD ENVIRONMENTAL TECHNOLOGY
ALBERTA ENVIRONMENTAL CENTRE
PO BOX 4000
VEGREVILLE ALTA
T0B 4L0

MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WINSTON D
PETAWAWA NATIONAL FORESTRY INST
ENVIRONMENT CANADA
CHALK RIVER ONT
K0J 1J0

SEED-PRODUCTION, GERMINATION, AUTECOLOGY IN EASTERN CANADIAN CONIFERS.

WINTER PETER
EXECUTIVE DIRECTOR
THE BIOMASS ENERGY INSTITUTE INC
1329 NIAKWA RD
WINNIPEG MAN
R2J 3T4

BIOMASS ENERGY DATABASES. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER.

WINTERHALDER KEITH
LAURENTIAN UNIVERSITY
RAMSEY LAKE ROAD
SUDBURY ONT
P3E 2C6

LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES. CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

WISEMAN R J
NORTHWEST ATLANTIC FISHERIES CENTER
DEPT OF FISHERIES & OCEANS
PO BOX 5667
ST JOHN'S NFLD
A1C 5X1

RESEARCH MANAGEMENT AND ADMINISTRATION WITH EXPERIENCE IN ENVIRONMENTAL-ASSESSMENT, FISH-HABITAT RESEARCH, AND FRESHWATER ECOLOGY AND FISHERIES-BIOLOGY.

WITHERSPOON DAVID F
ENGINEER-IN-CHARGE
GREAT LAKES ST LAWRENCE STUDY OFFIC
ENVIRONMENT CANADA
200 FEDERAL BUILD 45 SECOND ST E
CORNWALL ONTARIO
K6H 5R8

EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

WONG H R
DEPT OF THE ENVIRONMENT
CANADIAN FORESTRY SERVICE
5320-122 STREET
EDMONTON ALBERTA
T6H 3S5

THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA: SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE ARCTIC AND PALAEARCTIC SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

WONG J K S
MECHANICAL ENGINEERING
NATIONAL RESEARCH COUNCIL OF CANADA
M-9
OTTAWA ONT
K1A OR6

RECIPROCATING ENGINES. ALTERNATE-FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL-FUEL ON DIESEL-ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

WONG P T S
CANADA CENTER FOR INLAND WATERS
867 LAKESHORE ROAD
P O BOX 5050
BURLINGTON ONT
L7R 4A6

TOXICITIES AND METHYLATION OF METALS (PB, AS, SE, CD, SN) AND ORGANIC COMPOUNDS (PCB, HCB, CHLOROBENZENES, PHTHALIC-ACID) ON PHYTOPLANKTON.

WOOD A G
TOXICOLOGICAL ADVISOR
POLYSAR LTD
VIDAL STREET
SARNIA ONTARIO
N7T 7M2

PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

WORGAN J P
TRANSPORT CANADA
FACILITIES AND ENVIRONMENTAL
MANAGEMENT DIV
PLACE DE VILLE ONT
K1A ON8

ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY-MONITORING AND ASSESSMENT.

WOTTON DAVE
RESEARCH SPECIALIST
ENV RESEARCH AND DEVELOPMENT BRANCH
BOX 7 BLDG 2 139 TUXEDO AVE
WINNIPEG MAN
R3N OH6

LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

WRIGHT DS
ENVIRONMENT PROTECTION SERVICE
ENVIRONMENT CANADA
25 ST CLAIR AVE E
TORONTO ONT
M4W 1X4

ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

WRIGHT R H
6822 BLENHEIM STREET
VANCOUVER B C
V6N 1R7

SENSE OF SMELL AS IT RELATES TO VERTEBRATES AND ALSO INVERTEBRATES. BASIC PHYSICO-CHEMICAL-PHYSIOLOGICAL MECHANISMS.

WYSLOUZIL D M MANAGER LAKEFIELD RESEARCH OF CANADA LTD 1 OXFORD STREET P O BOX 430 LAKEFIELD ONTARIO KOL 2HO	STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.
YAMASAKI RS RESEARCH OFFICER NATIONAL RESEARCH COUNCIL OF CANADA BUILDING RESEARCH DIV BLDG M-20, MONTREAL ROAD OTTAWA ONT K1A OR6	MATERIAL BEHAVIOUR AND CHARACTERIZATION OF MICRO-ENVIRONMENTAL CONDITIONS TO WHICH ORGANIC BUILDING-MATERIALS ARE EXPOSED DURING OUTDOOR SERVICE. INFORMATION USED TO DEVELOP SHORT-TERM TEST TO PREDICT LONG-TERM DURABILITY.
YAN N D ONTARIO MINISTRY OF ENVIRONMENT DORSET RESEARCH CENTRE PO BOX 39 DORSET ONT POA 1EO	INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.
YAPHE W DEPT OF MICROBIOLOGY & IMMUNOLOGY MCGILL UNIVERSITY MONTREAL QUE H3A 2B4	CHEMICAL STRUCTURE OF ALGAL POLYSACCHARIDES, AGAR AND CARRAGEENAN, DETERMINED USING AGARASES, CARRAGEENASES AND 13C NMR. CELL WALL POLYSACCHARIDES FROM GELIDIUM, GRACILARIA, CHONDRUS, EUCHEUMA GIGARTINA, ETC.
YEATMAN C W PETAWAWA NATIONAL FORESTRY INST CHALK RIVER ONTARIO KOJ 1JO	PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.
YOSHIDA K PHYSICS DIVISION SASKATCHEWAN RESEARCH COUNCIL 30 CAMPUS DRIVE SASKATOON SASK S7X OX1	CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.
YOSHIMOTO CARL M BIOSYSTEMETICS RESEARCH INSTITUTE CENTRAL EXPERIMENTAL FARM OTTAWA ONTARIO K1A OC6	INSECT TAXONOMY IN PARASITIC HYMENOPTERA (CHALCIDOIDEA, CYNIPOIDEA).
YOUNG G J INLAND WATERS DIRECTORATE ENVIRONMENT CANADA OTTAWA ONT K1A OE7	HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.
YOUNG JC AGRICULTURE CANADA CHEMISTRY & BIOLOGY RESEARCH INST OTTAWA ONT K1A OC6	RESEARCH IN THE INCIDENCE, NATURE, CAUSES AND CONSEQUENCES OF MYCOTOXIN RELATED PROBLEMS CAUSED BY FUNGI.
YOUNG JWS DIRECTOR AIR QUALITY AND INTER-ENVIRONMENTAL RESEARCH BR ATMOSPHERIC ENVIRONMENT SERVICE 4905 DUFFERIN STREET DOWNSVIEW ONT M3H 5T4	LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.
YOUNG M M CHEMICAL ENGINEERING UNIVERSITY OF WATERLOO WATERLOO ONTARIO N2L 3G1	DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL, CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

YURKOWSKI M DEPT OF FISHERIES AND OCEANS 501 UNIVERSITY CR WINNIPEG MAN R3T 2N6	MUDDY ODOUR COMPOUNDS IN WATER AND ORGANISMS.
ZACH RETO ATOMIC ENERGY OF CANADA WHITE SHELL NUCLEAR RESEARCH ESTAB PINAWA,MANITOBA ROE 1LO	EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. ENVIRONMENTAL-ASSESSMENTS. EFFECTS OF RADIATION ON BIRDS. ECOLOGY. ANIMAL-BEHAVIOUR.
ZAMMUTO R M KANANASKIS CENTRE FOR ENVIRONMENTAL RESEARCH UNIVERSITY OF CALGARY SEEBE ALTA TOL 1XO	RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.
ZITKO V SECTION LEADER ENVIRONMENT DEPT OF FISHERIES AND OCEANS BIOLOGICAL STATION ST ANDREWS N B EOG 2XO	DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, OSAR, ORGANIC-CHEMICALS.
ZOLTAI S C DEPT OF THE ENVIRONMENT NORTHERN FOREST RESEARCH CENTRE 5320-122 STREET EDMONTON ALBERTA T6H 3S5	RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.
ZYTARUK BRIAN G MANAGER ENVIRONMENTAL DEPT SASKMOUNT ENGINEERING CO LTD 3311 CIRCLE CENTRE MALL SASKATOON SASK S7H 4K1	ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

ABSTRACTING

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

ACID-DEPOSITION

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

MCCOY D : ACID-DEPOSITION; SOIL CHEMISTRY; RECLAMATION.

PALMER CJ : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.

ACID-EMISSIONS

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING, INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

ACID-MISTS

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

ACID-PRECIPITATION

BAYLY ISABEL DR : DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS; WATER-QUALITY. ACID-PRECIPITATION EFFECTS ON FOREST SEEDLINGS.

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

ELDER F C : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC-SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT.

HARVEY H H : KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION, FISH RESPONSES, BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH, HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

MCLEAN RONALD A N : PULP-AND-PAPER INDUSTRY, ACID-PRECIPITATION, TRACE-METALS.

OGDEN J G : ECOLOGICAL EFFECTS OF ACID-PRECIPITATION, RECENT CLIMATIC CHANGE: TRENDS AND IMPACTS.

STAIRS RA : ACID-PRECIPITATION: METHODS OF ESTIMATION OF ACIDITY, OCCUPATIONAL-HEALTH AND SAFETY, HAZARDOUS-WASTE MANAGEMENT.

ACID-RAIN

BEHARRIELL RH : EDITOR OF PROBE-POST: CANADA'S ENVIRONMENTAL MAGAZINE. PROBE-POST FEATURES ARTICLES, NEWS AND ANALYTICAL COMMENT ON A WIDE RANGE OF ENVIRONMENTAL ISSUES, SUCH AS ACID-RAIN, PESTICIDES, TOXIC-WASTES, AND ENERGY-CONSERVATION.

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

COOTE D R : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS, OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH, ARCTIC AND BOREAL AREAS.

ACID-RAIN

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

LINZON S N : EFFECTS OF AIR-POLLUTION ON SOILS, CROPS, AND FORESTRY (INCLUDES SO2, F, O3, ACID-RAIN, ETC.).

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

MINNS CHARLES K : SYSTEMS ANALYSES OF VARIOUS ASPECTS OF FISHERIES AND ENVIRONMENTAL PROBLEMS, INCLUDING POPULATION-DYNAMICS, EUTROPHICATION AND ACID-RAIN.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

NRIAGU JEROME O : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.

SHEWCHUK S R : ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES, GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

ACID-STRESS

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

ACIDIC-PRECIPITATION

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

GRIFFIN H D : AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS, PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.

KRAMER J R : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL-SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

LOESCHER B R : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

ACIDIFIANTS

BARIL M : ETUDE PAR SPECTROMETRIE DE MASSE DES EMPREINTES CARACTERISANT LES SOURCES POLLUANTES D'AEROSOLS ATMOSPHERIQUES ACIDIFIANTS. (AEROSOLS).

ACIDIFICATION

YAN N D : INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.

ACOUSTIC

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

ACOUSTIC

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

ACOUSTICS

FAZIO P . BUILDING SCIENCE. BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

ADHESIVES

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS. FERMENTATION OF SUGARS TO ALCOHOLS.

AERIAL-PHOTOGRAPHY

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

AERIAL-SPRAYS

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

AERIAL-SURVEILLANCE

TOMLINS G F : APPLICATION OF SATELLITE REMOTE-SENSING DATA FOR ENVIRONMENTAL-IMPACT-ASSESSMENT AND ENVIRONMENTAL-MONITORING. DIGITAL IMAGE ANALYSIS. DEVELOPMENT OF MINI-RPV'S (UNMANNED AIRCRAFT) FOR AERIAL-SURVEILLANCE AND MONITORING.

AEROBIC-DIGESTION

GEHR R : RESEARCH INVOLVES PHYSICAL AND BIOLOGICAL WASTEWATER-TREATMENT. DISSOLVED AIR-FLOTATION; POLYELECTROLYTE USAGE AND BREAKDOWN; ROTATING BIOLOGICAL-CONTACTORS. AEROBIC-DIGESTION AT LOW TEMPERATURES.

AEROSOL-SCIENCE

MELO O T : AEROSOL-SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME-CHEMISTRY RESEARCH.

AEROSOLS

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

AFRICAN

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

AGRICOLE

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

PANISSET J C : TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES. MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

AGRICOLES

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

AGRICULTURAL-CHEMICALS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

AGRICULTURAL-CHEMISTRY

MACDOUGALL D : DIRECTOR, ENVIRONMENTAL SCIENCES. AGRICULTURAL-CHEMISTRY DEGREES. MEMBER OF COMMITTEE ON ENVIRONMENTAL-IMPROVEMENT, AMERICAN CHEMICAL SOCIETY.

AGRICULTURAL-ENGINEERING

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

DOMIER DR KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL-ENGINEERING: POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.

AGRICULTURAL-MANAGEMENT

SWITZER-HOWSE K D : EVALUATION OF AGRICULTURAL IMPACTS AND REMEDIAL MEASURES ON WATER-QUALITY AND QUANTITY; AGRICULTURAL-MANAGEMENT PRACTICES TO REDUCE SOIL-DEGRADATION; IMPACT OF DRAINAGE AND DRAIN-DESIGN ON EROSION, WATER-QUALITY AND QUANTITY.

AGRICULTURAL-PLANNING

BROWN D M : AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

AGRICULTURE

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

CHIENG S : RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

DEVRIES J : HYDROLOGY OF MOUNTAIN SLOPES. WATER AND SOIL-MANAGEMENT OF LOWLAND SOILS USED FOR AGRICULTURE.

ENGINEERING AND STATISTICAL : INSTITUTE ESTABLISHED IN 1978 BRINGING TOGETHER EXPERTS IN THE MAJOR ENGINEERING FIELDS, STATISTICIANS AND COMPUTER-PROGRAMMERS TO SUPPORT THE ACTIVITIES OF AGRICULTURE CANADA AND THE CANADIAN AGRICULTURAL INDUSTRY. MUCH OF THE WORK BEING DONE CONCERNS THE ENVIRONMENT.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

ITKIN A : WATER SYSTEMS AND WASTEWATER-SYSTEMS FOR AGRICULTURE INDUSTRY AND MUNICIPALITIES.

AGRICULTURE

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

PROTZ R : SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION, SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

WEIN R W : RESEARCH INTERESTS INCLUDE USE OF FIRE IN RANGE, AGRICULTURE AND FORESTRY AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

AGROCLIMATOLOGY

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

AGROECOSYSTEM

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES

AGROFORESTRY

JORGENSEN ERIK : SILVICULTURE; ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO, SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

AGROMETEOROLOGY

SHEWCHUK S R : ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES, GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.

AIGUILLES

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

AIR

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

CRANDLEMIRE A L : ENVIRONMENTAL QUALITY-MONITORING, ASSESSMENT AND SURVEY-DESIGN: AIR, WATER, SOIL.

CZORNYJ NESTOR : PLANNING, COORDINATING AND DIRECTING, PROVIDING OF TECHNICAL EXPERTISE IN BIOLOGICAL OXIDATION, AIR AND WATER-EMISSIONS AND OIL-SPILL PROBLEMS INCLUDING ORGANIZATION AND TEACHING AT AN OIL-SPILL SCHOOL.

AIR

DAVIDSON WM R : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

FINDLAY RON L : COORDINATED RESEARCH IN AIR, LAND, WATER-SYSTEMS.

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

JACKSON RA : ELEMENTAL ANALYSIS, INCLUDING TRACE-ANALYSIS. ENVIRONMENTAL AIR AND WATER-SAMPLING TECHNIQUES. ANALYTICAL INSTRUMENT-DEVELOPMENT.

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

LAMB A : DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES. CLIENT LIAISON. PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

MUIR JOHN : DESIGN AND CONTROL TECHNOLOGIES FOR MINIMIZING AIR AND WATER-RELATED ENVIRONMENTAL CONCERNS WITH NUCLEAR-GENERATING-STATIONS. RESEARCH ON AIR AND WATER-POLLUTION CONTROL AT CANDU NUCLEAR-GENERATING-STATIONS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING, POWER-GENERATION AND PROCESS APPLICATIONS; ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

SEIF FARHAD : ORGANIC-CHEMISTRY. ENVIRONMENTAL PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WILLIAMS R B : RESPONSIBLE FOR ENVIRONMENTAL-CONTROL (AIR, WATER AND SOLID-WASTES) AT A 1000 TONNE PER DAY INTEGRATED PULP-AND-PAPER MILL.

AIR-CONTAMINANTS

LECHNER L J : IN CHARGE OF THE AIR-POLLUTION-CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR-CONTAMINANTS FROM INDUSTRY.

TAMURA G T : RESEARCH ON MEASUREMENTS OF SOURCES AND INDOOR AIR-CONTAMINANTS; CONTROL ON CONTAMINANT LEVELS.

AIR-GROUND

BARRY P J : METEOROLOGICAL AND HYDROLOGICAL PROCESSES AT THE INTERFACE BETWEEN AIR-WATER, AIR-GROUND.

AIR-MONITORING

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL, HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

MCADIE H G : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.

AIR-PHOTO

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

AIR-PHOTOGRAPHS

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

AIR-POLLUTANTS

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. SCIENCE AND POLICY.

GRIFFIN H D : AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS, PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.

HARPER D S : EFFECTS OF AIR-POLLUTANTS, SPECIFICALLY GASEOUS AIR-POLLUTANTS, ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.

KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS.

MALHOTRA S S : AIR-POLLUTANTS: IMPACT ON FOREST-VEGETATION AND SOILS; PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF FOREST-VEGETATION; SYMPTOMATOLOGY OF INJURY TO FOREST-VEGETATION.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

NEWHOUSE M T : EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

AIR-POLLUTION

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.

HAGE K D : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.

AIR-POLLUTION

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

HOFSTRA G : AIR-POLLUTION IMPACT ON PLANTS. AIR-POLLUTION DISEASE INTERACTION. EFFECTS OF ENVIRONMENTAL-STRESS ON PLANTS.

LADOCHY S : SYNOPTIC CLIMATOLOGY. ESPECIALLY SEVERE WEATHER. AIR-POLLUTION METEOROLOGY. AND URBAN-CLIMATOLOGY.

LINZON S N : EFFECTS OF AIR-POLLUTION ON SOILS. CROPS. AND FORESTRY (INCLUDES SO2. F. O3. ACID-RAIN. ETC.).

MAYBANK J : RESEARCH IN CLOUD-PHYSICS. INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION. ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

MAYNARD DG : AIR-POLLUTION AND PARTICULATE DEPOSITION EFFECTS ON FOREST-SOILS.

MCADIE H G : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.

MUNN R E : ENVIRONMENTAL-IMPACT-ASSESSMENT. DESIGN OF ENVIRONMENTAL MONITORING NETWORK. AIR-POLLUTION. MICROMETEOROLOGY.

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS. VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION. LAND-CLASSIFICATION. (DAMAGE FROM INSECT. DISEASE. AIR-POLLUTION).

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

ROBERTS KJ : DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION. TREATMENT AND DISPOSAL. SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.

SHEWCHUK S R : ATMOSPHERIC-SCIENCES RESEARCH INCLUDING ACID-RAIN STUDIES. GENERAL AIR-POLLUTION AND AGROMETEOROLOGY RESEARCH.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE. SULPHUR-DIOXIDE. CIGARETTE-SMOKE). B) DAILY VARIATIONS IN EXPOSURE (INDOOR. OUTDOOR AND PERSONAL MONITORING).

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS. INDOOR AIR-POLLUTION (MODELLING. MERCURY. FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA. INDONESIA AND CUZCO. PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD. PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

WILLIAMS D A : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

AIR-POLLUTION-CONTROL

LECHNER L J : IN CHARGE OF THE AIR-POLLUTION-CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR-CONTAMINANTS FROM INDUSTRY.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER. INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES. INCLUDING SLUDGE HANDLING. DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE. INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES. AIR-POLLUTION-CONTROL. NOISE ABATEMENT.

AIR-QUALITY

GRIFFIN H D : AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS. PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

REID JD : PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND. WIND-ENERGY. TURBULENCE. POLLUTION-DEPOSITION. AIR-WATER INTERACTION. PESTICIDE SPRAY-DRIFT. AIR-QUALITY MODELLING. AIRFLOW MODELLING.

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL. CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY. IMPACT AND RISK-ASSESSMENT. AIR-QUALITY MONITORING.

SMYTHE L A MS : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY. TERRESTRIAL-ECOLOGY. AIR-QUALITY. WATER-QUALITY AND NOISE.

WANG RL : AIR-QUALITY CONTROL. COMBUSTION AND ENERGY CONSERVATION AND CONVERSION ARE THE AREAS OF RESEARCH WORK AND EXPERTISE. THIRTY-TWO PAPERS OF CONTRIBUTIONS HAVE BEEN PUBLISHED AT HOME AND ABROAD.

AIR-QUALITY

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

AIR-QUALITY-INDEX

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

AIR-SAMPLING

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

AIR-SEA

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES: TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE: NUMERICAL WAVE FORECASTING: MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

AIR-TANKERS

STECHISHEN E : USE AND EFFECTIVENESS OF FOREST-FIRE RETARDANTS; USE OF AIR-TANKERS AND THEIR EFFECTIVENESS IN FOREST-FIRE SUPPRESSION.

AIR-WATER

BARRY P J : METEOROLOGICAL AND HYDROLOGICAL PROCESSES AT THE INTERFACE BETWEEN AIR-WATER, AIR-GROUND.

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES: TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE: NUMERICAL WAVE FORECASTING: MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION, EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS, WATER-CIRCULATION UNDER WINTER ICE.

REID JD : PLANETARY BOUNDARY-LAYER STUDIES, ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

AIR/SEA-INTERACTION

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

AIRBORNE-DUST

KNIGHT G K : AIRBORNE-DUST IN MINES, MEASUREMENT PRODUCTION CONTROL. X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST, RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

AIRBORNE-EXPLOSIVES

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE, MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

AIRCRAFT

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

AIRCRAFT

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

TOMLINS G F : APPLICATION OF SATELLITE REMOTE-SENSING DATA FOR ENVIRONMENTAL-IMPACT-ASSESSMENT AND ENVIRONMENTAL-MONITORING. DIGITAL IMAGE ANALYSIS. DEVELOPMENT OF MINI-RPV'S (UNMANNED AIRCRAFT) FOR AERIAL-SURVEILLANCE AND MONITORING.

AIRPORT

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

WORGAN J P : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY-MONITORING AND ASSESSMENT.

AIRPORTS

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

ALBERTA

GRIFFIN D F : ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

HAGE K D : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

ALCOHOL

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS. BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

ALDER

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

ALGAE

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

ALGAE

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

STEIN JANET R : SYSTEMATICS, ECOLOGY AND PHYTOGEOGRAPHY OF FRESHWATER ALGAE, WITH EMPHASIS ON THE GREEN ALGAE; PARTICULAR INTERESTS INVOLVE ALGAE OF BRITISH-COLUMBIA AND WESTERN NORTH AMERICA.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

ALGAL-BLOOMS

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES.FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

ALGAL-SYSTEMATICS

DUTHIE H C : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.

ALGUES

COUTURE PIERRE : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIREE) POUR DETERMINER LA QUALITE DE L'EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE.

ALIPHATIC-COMPOUNDS

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

ALIPHATIQUES

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

ALKANES

KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

ALLERGENIC

BASSETT I J : STUDIES OF AIRBORNE POLLEN IN CANADA AND THEIR ALLERGENIC SIGNIFICANCE.

ALLERGIC

DOLOVICH JERRY : ALLERGY, OCCUPATIONAL ASTHMA, ALLERGIC ALVEOLITIS, DRUG-REACTIONS.

ALLOMETRY

PETERS R H : ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS, CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.

ALTERNATE-FUELS

PROCTOR & REDFERN GROUP : SPECIALIZED EXPERTISE IN THE FIELDS OF SOLID AND LIQUID INDUSTRIAL WASTE-MANAGEMENT AND ALTERNATE-FUELS.

WONG J K S : RECIPROCATING ENGINES. ALTERNATE-FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL-FUEL ON DIESEL-ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

ALTERNATIVE-FUELS

ODGERS J : POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.

WHYTE R B : GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS; SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.

ALUMINUM

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

AMBIENT

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

WILLIAMS D A : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

AMBIENT-AIR

MEISEN A : ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.

SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.

AMENITIES

MCMILLAN M L : ECONOMIC EVALUATION OF THE COSTS AND BENEFITS OF PUBLIC COMMODITIES INCLUDING ENVIRONMENTAL AMENITIES AND DISAMENITIES. ENVIRONMENTAL-MANAGEMENT TOOLS AND INSTITUTIONS.

AMES

LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.

AMPHIPODS

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER, STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

ANAEROBIC

JONES G A : PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

ANAEROBIC-TREATMENT

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

ANALYSER

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

ANALYTICAL-CHEMISTRY

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

LOESCHER B R : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

STEWART R B : ANALYTICAL-CHEMISTRY FOR NUCLEAR-FUEL WASTE-DISPOSAL.

ANALYTICAL-DATA

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

ANATOMICAL-STRUCTURE

ANATOMICAL-STRUCTURE

KEITH C T : SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL-STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.

ANGIOSPERM

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

ANILINES

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

ANIMAL

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.

KHERA K S : ASSESSMENT OF TERATOGENIC AND REPRODUCTIVE RISKS OF ENVIRONMENTAL AND FOOD-CHEMICALS FROM ANIMAL DATA.

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES. GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

ANIMAL-FEEDS

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

ANIMAL-WASTES

WAYGOOD E R : MASS CULTURE OF EUGLENA GRACILIS ON ANIMAL-WASTES FOR THE PURIFICATION OF WATER AND THE PRODUCTION OF SCP OR FERTILIZER.

ANIMALS

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

DOWNER R G H : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMINE LEVELS AND BEHAVIOUR; INSECTICIDE-DEVELOPMENT.

ANIMALS

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

PLATONOW N : TOXICOLOGICAL-EVALUATION OF FOOD-ADDITIVES, PESTICIDES AND CONTAMINANTS. TOXICOLOGIST IN AREA OF FOOD-PRODUCING DOMESTIC ANIMALS.

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

ANIMAUX

PARENT SERGE : MON CHAMP DE RECHERCHE EST TRES PRECIS: AQUARIOPHILIE (ETUDE DES DIFFERENTS MODES DE CONSERVATION DES ANIMAUX AQUATIQUES EN CAPTIVITE).

ANTARCTICA

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

ANTHROPOGENIC

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

ANTIBIOTIC

WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS; ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS; ANTIBIOTIC BIOSYNTHESIS.

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

ANTIBIOTIQUES

PANISSET J C : TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES. MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

ANTIFONGIQUES

OUELLETTE G B : PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.

AQUACULTURAL-SYSTEMS

WILSON DAVID RJ : PREPARATION OF DESIGN AND OPERATING GUIDELINES FOR AQUACULTURAL-SYSTEMS FOR WARM AND COLD WATER SPECIES, INCLUDING RECIRCULATING FACILITIES. ASSESSMENT OF FISHERIES AND AQUATIC ASPECTS IN E.I.A.

AQUACULTURE

ANDERSON J M : FISHERIES RESEARCH AND DEVELOPMENT, IN PARTICULAR THE FIELDS OF AQUACULTURE AND SALMONID ENHANCEMENT STRATEGIES; EDUCATION AND TRAINING A SPECIALTY.

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

SAWCHYN W W : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

SUTTERLIN A M : AQUACULTURE; FISHERIES; FISH-REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.

AQUARIOPHILIE

PARENT SERGE : MON CHAMP DE RECHERCHE EST TRES PRECIS: AQUARIOPHILIE (ETUDE DES DIFFERENTS MODES DE CONSERVATION DES ANIMAUX AQUATIQUES EN CAPTIVITE).

AQUATIC-BIOLOGY

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

MARSHALL K ERIC : INFORMATION-RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER).

SMYTHE L A MS : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.

AQUATIC-BIOTA

YAN N D : INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, OSAR, ORGANIC-CHEMICALS.

AQUATIC-CHEMISTRY

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

AQUATIC-ECOLOGY

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC-ECOLOGY.

AQUATIC-ECOSYSTEMS

FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. SCIENCE AND POLICY.

NEAME P A : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

NRIAGU JEROME O : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.

RYDER R A : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

AQUATIC-ENVIRONMENT

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

STRACHAN W M J : INVESTIGATION OF PERSISTENT ORGANIC-CHEMICALS IN THE AQUATIC-ENVIRONMENT ESPECIALLY THEIR FATE AND DISTRIBUTION.

AQUATIC-ENVIRONMENTS

ALBRIGHT L J : INFLUENCES OF POLLUTANTS UPON MICROORGANISMS WITHIN AQUATIC-ENVIRONMENTS.

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

AQUATIC-INVERTEBRATES

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

AQUATIC-LIFE

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION LIVESTOCK-WATERING: RECREATION: INDUSTRY.

AQUATIC-ORGANISMS

ANDERSON P D : PRIMARY FOCUS OF RESEARCH IS THE DEVELOPMENT OF MODELS FOR THE ASSESSMENT OF THE TOXICITY OF MIXTURES OF ENVIRONMENTAL POLLUTANTS TO AQUATIC-ORGANISMS. OTHER STUDIES INVESTIGATE THE ROLE OF BIOLOGICAL FACTORS (E.G. SIZE, SPECIATION) ON TOXICITY TOLERANCE: TOXICO-KINETICS AND MECHANISMS.

CARLISLE DR DB : EFFECTS OF WATER-CONTAMINATION ON THE PHYSIOLOGY OF AQUATIC-ORGANISMS.

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

SPRAGUE J B : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC-ORGANISMS.

AQUATIC-SCIENCES

ROFF J C : BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS. CHEMICAL AND PHYSICAL OCEANOGRAPHY.

AQUATIC-SYSTEMS

CHAU Y K : INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION, SPECIATION ANALYSIS OF ORGANOMETALS.

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

ELDER F C : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC-SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

AQUIFERS

STEPPUHN H : SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

ARBORICULTURE

JORGENSEN ERIK : SILVICULTURE: ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO, SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

ARBRES

LACHANCE DENIS : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

ARCHAEOLOGICAL

KEITH C T : SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL-STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.

ARCTIC

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

CARTER J A : BENTHIC-ECOLOGY. ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

FENGE TAE : LAND-USE POLICY AND PLANNING IN ARCTIC AND SUBARCTIC AREA WITH SPECIFIC REFERENCE TO ENVIRONMENTAL CONSERVATION.

GRAINGER E H : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

HARE F K : ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

HEINKE G W : PHYSICAL/CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. FIRE-PROTECTION STUDIES.

HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

MARSHALL D WI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND: BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

ARCTIC

PERCY J A : ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

RING R A : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL-INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

WONG H R : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA: SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE ARCTIC AND PALAEARCTIC SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

ZOLTAI S C : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

ARCTIC-ISLANDS

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

ARCTIC-LAKES

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

ARCTIC-OCEAN

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.

ARIES-SYSTEM

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS. REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

AROMATICS

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

AROMATIQUES

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

ARSENIC

BOYLE R W : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT, AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

LUTWICK GD : REMOVAL OF ARSENIC FROM RURAL WELL-WATERS BY ION-EXCHANGE WITH FERRIC-HYDROXIDE. PATENT.

ARSENIC

MCBRIDE B C : BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.

ASBESTOS

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT, AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSUPE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

ASIA

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

ASPEN

MOSS A : MY FIRM HAS CONCENTRATED ON RESEARCH AND DEVELOPMENT OF MECHANICAL FOREST TREE SEEDLING-PLANTING-MACHINES AND OTHER MECHANIZED SILVICULTURAL EQUIPMENT. SPECIAL STUDY OF ASPEN.

ASPEN-CHIPS

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

ASSAINISSEMENT

CANTIN M : INRS-EAU FAVORISE LE TRANSFERT DE L'INFORMATION SCIENTIFIQUE ET L'ACCES RAPIDE A LA LITTERATURE INTERNATIONALE, EN DIFFUSANT AUPRES DE LA COMMUNAUTE SCIENTIFIQUE LES RESULTATS DES RECHERCHES A L'INTERIEUR DES AXES DE RECHERCHE SUIVANTS: HYDROLOGIE, ASSAINISSEMENT, CHIMIE, BIOLOGIE, AMENAGEMENT DE LA RESSOURCE EAU.

INRS-EAU : FAISANT APPEL A DES EQUIPES DE RECHERCHE MULTIDISCIPLINAIRES, L'INRS-EAU REGROUPE SES TRAVAUX A L'INTERIEUR DE QUATRE PROGRAMMES DISTINCTS, A SAVOIR: HYDROLOGIE, ASSAINISSEMENT, DYNAMIQUE CHIMIQUE ET BIOLOGIQUE DU MILIEU, ET GESTION ET AMENAGEMENT DE LA RESSOURCE EAU.

LABONTE ROGER : ASSAINISSEMENT DES EAUX-USEES AU MOYEN DE TECHNOLOGIES DOUCES TELLES QUE LE LAGUNAGE ET LES TOURBIERES CONCEPTION ASSISTEE A L'ORDINATEUR DES STATIONS D'EPURATION DES EAUX-USEES. FORMATION PROFESSIONNELLE DANS LE DOMAINE DU GENIE DE L'ENVIRONNEMENT.

ASSAY

ASSAY

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

ASTHMA

DOLOVICH JERRY : ALLERGY, OCCUPATIONAL ASTHMA, ALLERGIC ALVEOLITIS, DRUG-REACTIONS.

NEWHOUSE M T : EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.

ASTHMATICS

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

ATLANTIC

ELSON PAUL F : BIOLOGY, ESPECIALLY ECOLOGY, AND MANAGEMENT OF ATLANTIC SALMON.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

SOUTH G R : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

ATLANTIC-CANADA

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

ATLANTIC-PROVINCES

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

ATLANTIC-REGION

STEWART D B : STRATA MECHANICS AND ENVIRONMENTAL FACTORS THAT INFLUENCE THE HEALTH, SAFETY AND EFFICIENCY OF UNDERGROUND COAL-MINING IN THE ATLANTIC-REGION.

ATLAS

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

ATMOSPHERE

BAMBROUGH HA : CONTROL TECHNOLOGY FOR EMISSIONS TO ATMOSPHERE FROM FOSSIL FUEL-FIRED ELECTRICITY GENERATING UNITS, STEAM AND GAS TURBINE-DRIVEN.

CARSWELL A I : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

CRABBE R S : DEPOSITION AND DISPERSION OF PARTICULATES IN THE ATMOSPHERE; DESIGN OF PARTICULATE-SIZING INSTRUMENTATION.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

SINGLETON D L : KINETICS AND MECHANISMS OF CHEMICAL-REACTIONS IN UPPER AND LOWER ATMOSPHERE.

ATMOSPHERIC

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

CARSWELL A I : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

ROBERTSON E : ENVIRONMENTAL FLUID-DYNAMICS AS RELATED TO ATMOSPHERIC DISPERSION AND BASIN HYDROLOGY. PARTICULAR INTEREST IN LAKE EVAPORATION AND LAKE MIXING.

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.

SEREDA PETER J : CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

ATMOSPHERIC-CHEMISTRY

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

ATMOSPHERIC-DEPOSITION

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

KELSO JOHN R M : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH-POPULATIONS (BODY BURDENS, BEHAVIOUR).

ATMOSPHERIC-EMISSION

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

ATMOSPHERIC-EMISSIONS

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

ATMOSPHERIC-POLLUTANTS

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

ATMOSPHERIC-POLLUTION

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

ATMOSPHERIC-PROCESSES

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

ATMOSPHERIC-TRANSPORT

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

MCADIE H G : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.

SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS. AMBIENT-AIR: TOXIC-CHEMICALS: ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.

ATMOSPHERIQUES

BARIL M : ETUDE PAR SPECTROMETRIE DE MASSE DES EMPREINTES CARACTERISANT LES SOURCES POLLUANTES D'AEROSOLS ATMOSPHERIQUES ACIDIFIANTS. (AEROSOLS).

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

ATOMIC

AFGHAN B K : ANALYTICAL CHEMIST WITH RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

ATOMIC-ABSORPTION

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

MEHRA M C : TRACE-ELEMENTS ANALYSIS IN ENVIRONMENTAL SAMPLES. STUDY OF CHEMICAL REACTIONS OF ANALYTICAL INTEREST BY SPECTROPHOTOMETRIC AND ATOMIC-ABSORPTION TECHNIQUES.

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION. BIOINORGANIC COMPLEXES. METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY. ELECTROCHEMISTRY. CHROMATOGRAPHY. IR AND RMN SPECTROSCOPY.

ATOMIC-EMISSION

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

ATOMIQUE

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

ATTRACTANTS

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

AUSTRALIA

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

AUTECOLOGY

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

WINSTON D : SEED-PRODUCTION, GERMINATION, AUTECOLOGY IN EASTERN CANADIAN CONIFERS.

AUTHROPOGENIC

SMITH D W : THE DYNAMICS OF NATURAL VEGETATION AND THE EFFECTS OF AUTHROPOGENIC STRESSES ON VEGETATION.

AUTOECOLOGY

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

AUTOMOBILE

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

AUTOMOBILE-EMISSIONS

GULLON A C : CURRENTLY DEVELOPING DATA-BASE ON DIRECT POLLUTION BY CONSUMERS IN CANADA (E.G. AUTOMOBILE-EMISSIONS, PESTICIDES USED BY CONSUMERS).

AUTOMOBILE-EXHAUST

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

AUTOTROPHIC

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

AVALANCHES

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

AVIATION

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

BACTERIA

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

CLARK JA : MICROBIOLOGICAL-ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION-INDICATOR BACTERIA

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS, STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

BACTERIAL

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

MCBRIDE B C : BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.

PIENING L : CHEMICAL AND BIOLOGICAL-CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

BACTERIAL

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

BACULOVIRUS

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

BACULOVIRUSES

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

BAFFIN-BAY

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.

BANQUE-DOCUMENTAIRE-AUTOMATISEE

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

BARK

SWAN E P : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES-IDENTIFICATION.

BARRIER-ISLANDS

CAMERON DR B : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER-ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.

BASELINE

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.

BASELINE-STUDIES

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

BASELINE-STUDIES

BATS

FENTON M B : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION, SOCIAL INTERACTIONS; FEEDING, CONTROL; COMMUNICATION; ULTRASONICS.

BEARS

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL); WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

BEE-MANAGEMENT

DOLINSKI G : STORED GRAIN INSECTS, TOXICITY OF INSECTICIDES TO HONEY-BEES, LEAF CUTTER BEE-MANAGEMENT, FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

BEETLES

MORGAN A V : FOSSIL INSECT RESEARCH, USING COLEOPTERA (BEETLES) TO ASSIST IN THE INTERPRETATION OF RATE AND SCALE OF CLIMATIC CHANGE, PARTICULARLY DURING THE LAST INTERGLACIAL TO PRESENT. PALEOECOLOGY AND ZOOGEOGRAPHIC SHIFTS ARE ALSO STUDIED.

BENEFICIATION

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

BENEFIT-COST-ANALYSIS

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

BENTHIC

SOUTH G R : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE. LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

BENTHIC-ECOLOGY

CARTER J A : BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.

BENZENES

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

BERMUDIAN

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

BIBLIOGRAPHIC

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

BIBLIOGRAPHIES

BYSTRAM AGATHA M : PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU. ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.

MCCUAIG HELEN E : ENVIRONMENTAL INFORMATION SPECIALIST. INDEXING, KWIC INDEXES, BIBLIOGRAPHIES, ON-LINE SEARCHING. SOURCE COORDINATOR OF INFOTERRA DIRECTORY.

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

BIOACCUMULATION

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

DEFREITAS A S W : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR-SPECIES.

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

MCBRIDE B C : BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

OZBURN G W : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.

BIOASSAYS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

BIOCHEMICAL

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

FREEMAN HARRY C : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MALHOTRA S S : AIR-POLLUTANTS: IMPACT ON FOREST-VEGETATION AND SOILS; PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF FOREST-VEGETATION; SYMPTOMATOLOGY OF INJURY TO FOREST-VEGETATION.

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

BIOCHEMICAL

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

BIOCHEMICAL-INDICATORS

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

BIOCHEMISTRY

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

PEAKALL D B : ENVIRONMENTAL-POLLUTANTS (ESPECIALLY OIL) ON REPRODUCTION OF BIRDS. ESPECIALLY ALTERATION OF PHYSIOLOGY AND BIOCHEMISTRY.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

TYRRELL DAVID : BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.

BIOCHIMIE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

BIOCIDES

WALLBANK A M : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

BIOCONTROL

HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.

BIOCONTROL-AGENTS

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

BIOCONVERSION

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

BIOCONVERSION

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS. BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

BIODETERIORATION

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

BIODISCS

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS. COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

BIOENERGETICS

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

BIOENERGY

CHAPPELL M S : CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

BIOFILMS

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

BIOGAS

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

BIOGEOCHEMICAL

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

BIOGEOCHEMISTRY

FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

BIOGEOGRAPHY

SOUTH G R : MARINE PHYCOLOGY, EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

BIOHAZARDS

WALLBANK A M : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

BIOINDICATORS

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

BIOLOGICAL-AGENTS

SHEMANCHUK J A : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

BIOLOGICAL-CONTACTORS

GEHR R : RESEARCH INVOLVES PHYSICAL AND BIOLOGICAL WASTEWATER-TREATMENT. DISSOLVED AIR-FLOTATION; POLYELECTROLYTE USAGE AND BREAKDOWN; ROTATING BIOLOGICAL-CONTACTORS. AEROBIC-DIGESTION AT LOW TEMPERATURES.

BIOLOGICAL-CONTROL

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

PIENING L : CHEMICAL AND BIOLOGICAL-CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

BIOLOGICAL-IMPACTS

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

BIOLOGICAL-MONITORING

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

BIOLOGICAL-ORGANISMS

D'AURIA J M : DEVELOPMENT OF USE OF BIOLOGICAL-ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

BIOLOGICAL-TREATMENT

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

BIOLOGICAL-TREATMENT

BIOLOGISTE

VIGNEAULT JEAN-NOEL : A TITRE D'ADJOINT AU DIRECTEUR DES COMMUNICATIONS ET DE L'EDUCATION JE SUPERVISE LE CONTENU SCIENTIFIQUE DES PRODUCTIONS DU MINISTERE DE L'ENVIRONNEMENT. BIOLOGISTE. VULGARISATEUR SCIENTIFIQUE. DIRECTEUR D'UNE COLLECTION PERSPECTIVES 2001.

BIOMASS

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

GORDON A G : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

HOPWOOD WA : INVENTORY OF FOREST BIOMASS. PUBLICATIONS ON: ENFOR BIOMASS ESTIMATION PROJECTS; COORDINATION OF BIOMASS ESTIMATION IN CANADA; AND CANADA'S FOREST BIOMASS INVENTORY - 1984.

HUGHES F P : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

PEPPER J M : CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.

SILVERSIDES CR : TIMBER-HARVESTING (ENVIRONMENTAL-IMPACT) SHORT ROTATION FORESTRY-ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

WINTER PETER : BIOMASS ENERGY DATABASES. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS. BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

BIOMETEOROLOGY

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

BIOMETRICS

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

BIOMONITORING

BIOMONITORING

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

BIOMONITORS

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

BIOPHYSICAL

GRIFFIN D F : ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

BIOPHYSIQUE

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE, ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

BIOPOLYMERS

LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.

BIOREACTOR

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

BIOSYNTHESIS

WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS; ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS; ANTIBIOTIC BIOSYNTHESIS.

BIOSYNTHETIC

MARKS GERALD S : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

BIOSYSTEMATICS

KEVAN D K : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES, ETC.) SOIL-FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

BIOSYSTEMATICS

BIOTA

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

FINDLAY D M : ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION, FISH-TOXICITY, EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

BIOTECHNOLOGIES

PANISSET J C : TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

BIOTRANSFORMATION

MCBRIDE B C : BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.

BIOTYPICAL

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

BIPHENYLES-CHLORES

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

BIRD

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

BIRD-AIRCRAFT-COLLISION

BLOKPOEL H : BIOLOGICAL ASPECTS OF THE BIRD-AIRCRAFT-COLLISION PROBLEM. BIRD-DETECTION ALOFT USING RADAR.

BIRD-DETECTION

BLOKPOEL H : BIOLOGICAL ASPECTS OF THE BIRD-AIRCRAFT-COLLISION PROBLEM. BIRD-DETECTION ALOFT USING RADAR.

BIRDS

BOYD H : STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.
PEAKALL D B : ENVIRONMENTAL-POLLUTANTS (ESPECIALLY OIL) ON REPRODUCTION OF BIRDS, ESPECIALLY ALTERATION OF PHYSIOLOGY AND BIOCHEMISTRY.
SECOY D M : HERPETOLOGY, SPECIFICALLY REPTILES: BIRDS: ECOLOGY OF HIGH-LATITUDE VERTEBRATES: HISTORY OF PRE-INDUSTRIAL PEST-CONTROL.
ZACH RETO : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. ENVIRONMENTAL-ASSESSMENTS. EFFECTS OF RADIATION ON BIRDS. ECOLOGY. ANIMAL-BEHAVIOUR.

BISMUTH

BOYLE R W : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

BITING-FLIES

GALLOWAY MM : BIOLOGY AND CONTROL OF BITING-FLIES; BIOLOGY AND BEHAVIOUR OF BLACK-FLIES. ARBOVIRUS SURVEILLANCE. BIOLOGICAL CONTROL OF BITING-FLIES. ENVIRONMENTAL-IMPACT-ASSESSMENT OF BITING-FLIES, CONTROL-AGENTS.

BIVALVE

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

BIVALVES

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

BLACK-FLIES

FREDEEN F J H : QUANTITATIVE SAMPLING OF INVERTEBRATES IN RIVERS, ESPECIALLY BLACK-FLIES SIMULIIDAE (DIPTERA).
GALLOWAY MM : BIOLOGY AND CONTROL OF BITING-FLIES; BIOLOGY AND BEHAVIOUR OF BLACK-FLIES. ARBOVIRUS SURVEILLANCE. BIOLOGICAL CONTROL OF BITING-FLIES. ENVIRONMENTAL-IMPACT-ASSESSMENT OF BITING-FLIES, CONTROL-AGENTS.

BLADDER

STICH H F : EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.

BLOOD-MORPHOLOGY

ATKINSON A B : HAEMATOLOGY AND IMMUNOHAEMATOLOGY. INTERESTED IN EFFECTS OF ENVIRONMENT ON BLOOD-MORPHOLOGY AND INHERITANCE PATTERNS.

BONE

KRAINTZ L : LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.

BOREAL

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING. FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

ZOLTAI S C : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

BOREAL-FOREST

SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE-HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION-MANAGEMENT.

SUTTON ROY F : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION-SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC/TECHNICAL EDITING.

BOREAL-FORESTS

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

BORERS

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

BOTANY

DORE DR W G : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.

BOUNDARY-LAYER

REID JD : PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND. WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

BREAST

BRUCE WR : RELATION BETWEEN DIET AND COLON AND BREAST CANCER AND THE POSSIBILITY OF PREVENTING THESE DISEASES.

BREEDING

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

BREEDING

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

MURRAY G : FOREST-GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

BRITISH-COLUMBIA

GAGNON D PROF : VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.

GARDINER R T : DEVELOPMENT AND APPLICATION OF RECLAMATION TECHNOLOGY FOR LAND DISTURBED BY COAL AND METAL-MINING IN BRITISH-COLUMBIA AND NORTHWEST-TERRITORIES.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

STEIN JANET R : SYSTEMATICS, ECOLOGY AND PHYTOGEOGRAPHY OF FRESHWATER ALGAE, WITH EMPHASIS ON THE GREEN ALGAE; PARTICULAR INTERESTS INVOLVE ALGAE OF BRITISH-COLUMBIA AND WESTERN NORTH AMERICA.

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

TAYLOR F J R : ECOLOGY OF BRITISH-COLUMBIA AND TROPICAL PHYTOPLANKTON. RED-TIDES. CIGUATERA FISH-POISONING. DINOFLAGELLATES.

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

BRYOPHYTES

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

BUFFERING

PALMER CJ : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.

BUILDING

FAZIO P : BUILDING SCIENCE, BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

MCKELLAR J : HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING, BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

BUILDING-AUTOMATION

BUILDING-AUTOMATION

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

BUILDING-DESIGN

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

BUILDING-MATERIALS

SEREDA PETER J : CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING-MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS AND HPLC.

YAMASAKI RS : MATERIAL BEHAVIOUR AND CHARACTERIZATION OF MICRO-ENVIRONMENTAL CONDITIONS TO WHICH ORGANIC BUILDING-MATERIALS ARE EXPOSED DURING OUTDOOR SERVICE. INFORMATION USED TO DEVELOP SHORT-TERM TEST TO PREDICT LONG-TERM DURABILITY.

BUILDINGS

FAZIO P : BUILDING SCIENCE, BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

BURNING

ANTHONY E J : COMBUSTION AND RELATED EXPERTISE ESPECIALLY WHERE RELATED TO THE BURNING OF COAL.

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

CADDISFLIES

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

CADMIUM

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT, AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

CADMIUM

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

CANCER

BRUCE WR : RELATION BETWEEN DIET AND COLON AND BREAST CANCER AND THE POSSIBILITY OF PREVENTING THESE DISEASES.

STICH H F : EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.

CANCERS

STICH H F : EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.

CANDU

MUIR JOHN : DESIGN AND CONTROL TECHNOLOGIES FOR MINIMIZING AIR AND WATER-RELATED ENVIRONMENTAL CONCERNS WITH NUCLEAR-GENERATING-STATIONS. RESEARCH ON AIR AND WATER-POLLUTION CONTROL AT CANDU NUCLEAR-GENERATING-STATIONS.

CARBOHYDRATE-CHEMISTRY

SZAREK W A : ALL AREAS OF CARBOHYDRATE-CHEMISTRY, PURE AND APPLIED.

CARBOHYDRATES

HAY G W : ANALYSIS OF CARBOHYDRATES IN SOIL, AND SURFACE AND MARINE WATERS.

CARBON

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

TELANG SADANAND A : EFFECTS OF MAN'S ACTIVITY ON WATER-QUALITY IN TERMS OF ORGANIC-COMPOUNDS. TRANSPORT OF CARBON IN THE MAJOR RIVERS OF CANADA.

CARBON-DIOXIDE

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

CARBONATE

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.

CARBONIQUE

BRIERE M FRANCOIS : EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.

CARCINOGENESIS

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

NASIM A : MECHANISMS OF MUTATION IN YEAST. ENVIRONMENTAL MUTAGENESIS AND CARCINOGENESIS. TRANSPOSABLE ELEMENTS.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

CARCINOGENIC

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

CARCINOGENS

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

CARIBBEAN

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

CAROUGE

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL; LOISIR ORNITHOLOGIQUE.

CARRAGEENAN

YAPHE W : CHEMICAL STRUCTURE OF ALGAL POLYSACCHARIDES, AGAR AND CARRAGEENAN, DETERMINED USING AGARASES, CARRAGEENASES AND 13C NMR. CELL WALL POLYSACCHARIDES FROM GELIDIUM, GRACILARIA, CHONDRUS, EUCHEUMA GIGARTINA, ETC.

CARTOGRAPHIC

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

CARTOGRAPHIE

VAILLANCOURT G : METHODOLOGIE D'ETUDES D'IMPACTS. STRUCTURES DES GROUPEMENTS BENTHIQUES CARTOGRAPHIE ECOLOGIQUE.

CATERPILLARS

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

CATTLE

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

SHEMANCHUK J A : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

CELL-DIVISION

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL-DIVISION.

CELLULAIRE

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

CELLULE

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

CELLULOLYTIC

PATEL G B : ISOLATION, CHARACTERIZATION AND THE STUDY OF THE PHYSIOLOGY OF OBLIGATE ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN NATURAL ECOSYSTEMS EG. CELLULOLYTIC, METHANOGENIC AND SACCHARDYTIC ANAEROBES.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS. FERMENTATION OF SUGARS TO ALCOHOLS.

CELLULOSE

KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

PEPPER J M : CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.

CELLULOSIC

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

CELLULOYTIC

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

CEMENT

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

CENTRIFUGES

BOADWAY J D : SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

CEREAL

BOWREN K E : TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

PIENING L : CHEMICAL AND BIOLOGICAL-CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

CEREAL-GRAINS

ABRAMSON D : MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS, DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

CEREALES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

CHAMBERLAND E : ETUDE SUR LE DESTIN DES ENGRAIS CHIMIQUES A LONG TERME ET LEUR EFFET SUR LES PROPRIETES DU SOL. EXAMEN DES SOLS EN PROFONDEUR DANS DES PARCELLES DE CHAMPS VOUES AUX GRANDES CULTURES: PRAIRIES, CEREALES, MONOCULTURE DE MAIS ETC.

CEREALS

QURESHI FA : PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES, CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS, EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

CHAMPIGNONS

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

CHANCRE

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

CHANCRE

CHANGE

BOND W K : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL-GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND-RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.
KARIEL H G : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.
MCCUAIG J D : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.
MORGAN A V : FOSSIL INSECT RESEARCH, USING COLEOPTERA (BEETLES) TO ASSIST IN THE INTERPRETATION OF RATE AND SCALE OF CLIMATIC CHANGE, PARTICULARLY DURING THE LAST INTERGLACIAL TO PRESENT. PALEOECOLOGY AND ZOOGEOGRAPHIC SHIFTS ARE ALSO STUDIED.
OGDEN J G : ECOLOGICAL EFFECTS OF ACID-PRECIPITATION. RECENT CLIMATIC CHANGE: TRENDS AND IMPACTS.
ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

CHANNELS

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.
LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.
NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.

CHARBON

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

CHEESE

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.
TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

CHELATING-AGENTS

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

CHEMICAL-ANALYSIS

DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.
LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.
OLDHAM K B : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.
WHITEHEAD R : CHEMICAL-ANALYSIS OF ENVIRONMENTAL-POLLUTANTS.

CHEMICAL-COMPOSITION

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

CHEMICAL-CONTAMINANTS

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

CHEMICAL-ECOLOGY

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

CHEMICAL-ENGINEERING

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

CHEMICAL-INDICATORS

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

CHEMICAL-INDUSTRIES

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES: ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

CHEMICAL-REACTIONS

SINGLETON D L : KINETICS AND MECHANISMS OF CHEMICAL-REACTIONS IN UPPER AND LOWER ATMOSPHERE.

CHEMICAL-WASTE

WAN J K S : DISPOSAL OF CHEMICAL-WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE.

CHEMICALS

BROWNE K W : PESTICIDE-LEGISLATION, WITH INTEREST IN CHEMICALS MODE OF ACTION AND DELIVERY EQUIPMENT.

DOWNER R G H : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMINE LEVELS AND BEHAVIOUR; INSECTICIDE-DEVELOPMENT.

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

GILBERTSON M : CHEMICALLY-INDUCED DISEASES IN WILDLIFE AND FISH. REGULATION OF CHEMICALS.

GRANT W F : CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS PRIMARILY PESTICIDES.

KALOW W : METABOLISM OF DRUGS AND CHEMICALS IN MAN; PERSON-TO-PERSON VARIATION IN THE METABOLIZING CAPACITY; GENETIC-DEFECTS OF METABOLISM AND ITS CONSEQUENCES.

KRUUS P : ANALYSIS OF THE CONTROVERSIES SURROUNDING VARIOUS CHEMICALS. JOINT EDITOR OF "CONTROVERSIAL CHEMICALS: A CITIZEN'S GUIDE", MULTISCIENCE, MONTREAL, 1979. REVISED EDITION TO APPEAR 1984.

CHEMICALS

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

MILLSON M F : THE COMMERCIAL CHEMICALS DIVISION EVALUATES SCIENTIFIC EVIDENCE ON POTENTIAL EFFECTS OF PESTICIDES ON THE ENVIRONMENT AND PROVIDES ADVICE TO THE CANADIAN REGULATORY-AUTHORITY FOR THE PEST-CONTROL-PRODUCTS-ACT.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES. DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

STICH H F : EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, OSAR, ORGANIC-CHEMICALS.

CHEMIST

AFGHAN B K : ANALYTICAL CHEMIST WITH RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMMETRIC AND ELECTROANALYTICAL TECHNIQUES. HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

CHEMODYNAMICS

SUNDARAM K M S : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

CHEMOSTAT

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS, STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

CHILE

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

CHIMIE

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

CHIMIE

CANTIN M : INRS-EAU FAVORISE LE TRANSFERT DE L'INFORMATION SCIENTIFIQUE ET L'ACCES RAPIDE A LA LITTERATURE INTERNATIONALE, EN DIFFUSANT AUPRES DE LA COMMUNAUTE SCIENTIFIQUE LES RESULTATS DES RECHERCHES A L'INTERIEUR DES AXES DE RECHERCHE SUIVANTS: HYDROLOGIE, ASSAINISSEMENT, CHIMIE, BIOLOGIE, AMENAGEMENT DE LA RESSOURCE EAU.

GUBELI A O : CHIMIE MINERALE ET CHIMIE DES COMPLEXES. CHIMIE ANALYTIQUE. CHIMIE DE L'ENVIRONNEMENT. CHIMIE DES EAUX. RADIOCHIMIE.

CHIMIE-ANALYTIQUE

MALLET V : CHIMIE-ANALYTIQUE; POLLUANTS-CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT DE METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

CHINOOK

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

CHIRONOMIDAE

OLIVER D R : TRAINED IN FRESHWATER BIOLOGY. CURRENT RESEARCH ON CHIRONOMIDAE (A GROUP OF PRIMARILY FRESHWATER INSECTS), MAINLY SYSTEMATICS BUT ALSO ECOLOGY, LIFE-HISTORY AND EVOLUTION.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

CHLORIDE

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS. ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

CHLORIDES

SEREDA PETER J : CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

CHLORINATED-COMPOUNDS

CHOW Y L : INVESTIGATION OF NITRITE-NITRATE-N-NICROSO COMPOUND CHAINS IN ENVIRONMENTAL SAMPLES. FORMATION, OCCURRENCE AND DESTRUCTION OF CHLORINATED-COMPOUNDS IN THE HUMAN ENVIRONMENT.

CHLORINATED-HYDROCARBON

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

CHLORINATED-PHENOLS

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

OZBURN G W : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.

CHLORINATION

OLIVER B G : PATHWAYS OF ORGANIC CONTAMINANTS IN SEDIMENTS: BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

CHLORINE

DAVIES R W : ANALYSIS OF THE EFFECTS OF PERTURBATIONS BOTH NATURAL AND MAN-INDUCED ON MACROBENTHOS OF LAKES AND RIVERS. EMPHASIS ON THE EFFECTS OF CHLORINE AND CHANGES IN SUSPENDED AND DEPOSITED SEDIMENTS.

CHLOROBENZENES

WONG P T S : TOXICITIES AND METHYLATION OF METALS (PB, AS, SE, CD, SN) AND ORGANIC COMPOUNDS (PCB, HCB, CHLOROBENZENES, PHTHALIC-ACID) ON PHYTOPLANKTON.

CHLOROFLUOROALCANES

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

CHLOROFLUOROCARBONES

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

CHLOROFORM

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

CHLOROPLASTES

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

CHROMATOGRAPHIC

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

CHROMATOGRAPHY

AFGHAN B K : ANALYTICAL CHEMIST WITH RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH VOLTAMMETRIC AND ELECTROANALYTICAL TECHNIQUES. ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES. RESOLUTION GAS CHROMATOGRAPHY, PLASMA EMISSION; ATOMIC ABSORPTION.

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; U.V. FLUORIMETRY; GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; DEVELOPED SEMIINTEGRAL ANODIC STRIPPING. POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. NITROGEN FLUORIDE AND CHLORIDE.

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS. AUTOMATED ANALYSIS. ION CHROMATOGRAPHY ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

CHROMATOGRAPHY

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS: METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

SLATER G P : DETERMINATION OF ORGANIC-COMPOUNDS IN WATER USING CAPILLARY GAS CHROMATOGRAPHY MASS-SPECTROMETRY.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

CIGARETTE-SMOKE

KING M : EXAMINING THE EFFECT OF CIGARETTE-SMOKE EXPOSURE ON VARIOUS ASPECTS OF PULMONARY PATHOPHYSIOLOGY IN DOGS. STUDIES ON THE EFFECT OF SULPHUR-DIOXIDE EXPOSURE IN THE SAME SYSTEM.

NEWHOUSE M T : EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

CIGARETTE-SMOKING

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

CIRCADIENS

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL; LOISIR ORNITHOLOGIQUE.

CIRCULATION

BOYCE F M : CIRCULATION AND THERMAL STRUCTURE OF LARGE LAKES. INSTRUMENTATION, FIELD MEASUREMENTS, DATA-PROCESSING AND ANALYSIS OF THE ABOVE.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

RANDALL D J : RESPIRATION AND CIRCULATION OF LOWER VERTEBRATES PARTICULARLY FISH. EDITOR OF "FISH PHYSIOLOGY".

CISTERN-SYSTEMS

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

CITIZENS

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

CLAMS

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

CLASSIFICATION

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

PROTZ R : SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.

ROWLES CHARLES A : SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION. SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

CLAY

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

CLAY-LINERS

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

CLAY-MINERALOGY

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

CLAY-RETENTION

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

CLAYS

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

CLEAN-AIR-ACT

BIRD P M : HEADED NATIONAL RADIATION-PROTECTION PROGRAM. PARTICIPATION IN INTERGOVERNMENTAL POLICY MEETINGS. DIRECTED DEVELOPMENT OF CLEAN-AIR-ACT. MEMBER OF ENVIRONMENTAL-ASSESSMENT PANEL. CURRENTLY WORKING ON PREPARATION OF NATIONAL STATE OF THE ENVIRONMENT REPORT.

CLIMATE

BROWN D M : AGRICULTURAL CLIMATOLOGY; CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

HARE F K : ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.

CLIMATE

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

CLIMATE-CHANGE

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

CLIMATE-IMPACT-ASSESSMENT

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

CLIMATIC-CHARACTERISTICS

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING. FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

CLIMATOLOGY

BROWN D M : AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

HARE F K : ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.

LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.

SANDERSON MARIE E : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER-BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

CLONAL

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

CLONING

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.

CLOUD

TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

CLOUD-PHYSICS

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

CLOUD-PHYSICS

COAL

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

ANTHONY E J : COMBUSTION AND RELATED EXPERTISE ESPECIALLY WHERE RELATED TO THE BURNING OF COAL.

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL. ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

GARDINER R T : DEVELOPMENT AND APPLICATION OF RECLAMATION TECHNOLOGY FOR LAND DISTURBED BY COAL AND METAL-MINING IN BRITISH-COLUMBIA AND NORTHWEST-TERRITORIES.

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING. FORESTRY FISHERIES. NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION. PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION. VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY. COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

COAL-BURNING

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

COAL-FIRED

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

COAL-MINING

STEWART D B : STRATA MECHANICS AND ENVIRONMENTAL FACTORS THAT INFLUENCE THE HEALTH, SAFETY AND EFFICIENCY OF UNDERGROUND COAL-MINING IN THE ATLANTIC-REGION.

COALS

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL. ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

COASTAL

CAMERON DR B : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER-ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

NELSON JG : HUMAN-ECOLOGY: RESOURCE-MANAGEMENT (NATIONAL PARKS AND RELATED RESERVES IN THE NORTH). COASTAL USE AND MANAGEMENT.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

COASTAL

SENYK JOHN P : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

COASTAL-ENVIRONMENTS

GORDON DONALD : CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT. HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

COASTAL-PLAIN

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

COASTAL-WATERS

D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

COASTAL-ZONE

COAKLEY JOHN P : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL-ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE CONSERVATION IN THE FACE OF INDUSTRIAL AND RECREATIONAL-DEVELOPMENT OF THE COASTAL-ZONE.

VANDERMEULEN JOHN H : PETROLEUM-HYDROCARBON POLLUTION, MARINE-POLLUTION, COASTAL-ZONE MANAGEMENT.

COLD-CLIMATE

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

COLD-STORAGE

HOPKINS JOHN C : IDENTIFICATION AND STUDIES ON FOREST PATHOGENS AND THEIR CONTROL WITH EMPHASIS ON CANKER-FUNGI AND COLD-STORAGE FUNGI.

COLOR-INFRARED

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

COLORANTS

BERGERON MICHEL : PREPARER ET EVALUER LES RAPPORTS CONFIDENTIELS EN PROVENANCE DE L'INDUSTRIE CANADIENNE CONCERNANT LA FABRICATION OU/ET L'IMPORTATION DE NOUVEAUX PRODUITS CHIMIQUES EN RELATION AVEC LA SOUS-SECTION 4(6) DE LA LOI CANADIENNE DES CONTAMINANTS DE L'ENVIRONNEMENT ET TRAVAILLER A DES PROJETS SPECIAUX TEL QU'UN DOSSIER D'EVALUATION DES COLORANTS.

COLORATIONS

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

COMBUSTION

ANTHONY E J : COMBUSTION AND RELATED EXPERTISE ESPECIALLY WHERE RELATED TO THE BURNING OF COAL.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

MEHKERI K A : MEASUREMENT OF TOXIC-ELEMENTS AND TOXIC-GASES FROM VARIOUS CONSUMER PRODUCTS AND AS THE PRODUCTS OF COMBUSTION IN FIELD OF FIRE AND FLAMMABILITY.

ODGERS J : POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.

ROMANO L S : CHEMICAL ENGINEERING, MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

SAMPATH P : GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

WANG RL : AIR-QUALITY CONTROL, COMBUSTION AND ENERGY CONSERVATION AND CONVERSION ARE THE AREAS OF RESEARCH WORK AND EXPERTISE. THIRTY-TWO PAPERS OF CONTRIBUTIONS HAVE BEEN PUBLISHED AT HOME AND ABROAD.

COMBUSTION-EQUIPMENT

LOMBARD W K : COMBUSTION-EQUIPMENT; WASTE-INCINERATORS; HEAT-RECOVERY; SNOW-MELTERS.

COMBUSTORS

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

COMMERICAL

SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

COMMUNITIES

COLBY P J : RESPONSE OF FISH-POPULATIONS (PRIMARILY WALLEYE) AND COMMUNITIES TO PERTURBATIONS.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

COMMUNITIES

PETERS R H : ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS, CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.

POLLUTION PROBE FOUNDATION : THE POLLUTION-PROBE-FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENTS TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

COMMUNITY

HOLDEN D M : HYDROLOGICAL STUDIES OF BLUEBERRY-CREEK WATERSHED. CONFLICTS OF MULTIPLE USE ON A COMMUNITY WATER-SUPPLY.

RYDER R A : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

THOMAS DW : ECOLOGY AND BEHAVIOUR OF CHIROPTERA, COMMUNITY STRUCTURE, FEEDING, FRUGIVORY, SEED-DISPERSAL, ENERGETICS, MANAGEMENT.

WHYTE ANNE V T : SOCIAL ASPECTS OF DEVELOPMENT. COMMUNITY PARTICIPATION ENVIRONMENTAL PERCEPTION, HUMAN RESPONSE TO HAZARDS, ENVIRONMENTAL RISK-ASSESSMENT.

COMMUNITY-PLANNING

MCKELLAR J : HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING, BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

COMPACTION

COOTE D R : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

COMPOST

JONGEJAN A : THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.

ROMANO L S : CHEMICAL ENGINEERING, MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

COMPOSTAGE

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

COMPUTER

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

BOADWAY J D : SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

CLODMAN STEPHEN : SHORT-RANGE COMPUTER WEATHER-FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.

NEWKIRK RT : WITH VARIOUS COLLEAGUES, WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.

COMPUTER

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

COMPUTER-AIDED

FAZIO P : BUILDING SCIENCE. BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS. BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

COMPUTER-APPLICATION

CHIENG S : RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

COMPUTER-MODELLING

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

COMPUTER-PROGRAMMERS

ENGINEERING AND STATISTICAL : INSTITUTE ESTABLISHED IN 1978 BRINGING TOGETHER EXPERTS IN THE MAJOR ENGINEERING FIELDS, STATISTICIANS AND COMPUTER-PROGRAMMERS TO SUPPORT THE ACTIVITIES OF AGRICULTURE CANADA AND THE CANADIAN AGRICULTURAL INDUSTRY. MUCH OF THE WORK BEING DONE CONCERNS THE ENVIRONMENT.

COMPUTER-SCIENCE

NEWKIRK RT : WITH VARIOUS COLLEAGUES, WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.

COMPUTER-SIMULATION

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND-RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

COMPUTER-SYSTEMS

ROGALSKY JOHN : CONSULTANT. ENVIRONMENTAL DATA-MANAGEMENT. ELECTRONIC DATA-PROCESSING SYSTEMS DEVELOPMENT. CLIMATOLOGICAL APPLICATIONS DESIGN. COMPUTER-SYSTEMS IMPLEMENTATION. UNEP DATA-MANAGEMENT EXPERIENCE.

COMPUTERIZED

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

COMPUTERIZED

KEYTE F K : CLIMATOLOGICAL DATA-MANAGEMENT AND RETRIEVAL, INCLUDING COMPUTERIZED DATA-MANAGEMENT SYSTEMS.

COMPUTERS

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

CONIFERIENNES

JOBIN LUC J : PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.

CONIFEROUS

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

CONIFEROUS-TREES

WHITNEY R D : DAMAGE-APPRAISAL, CAUSAL FUNGI, SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS-TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS.

CONIFERS

SWAN E P : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES-IDENTIFICATION.
WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.
WINSTON D : SEED-PRODUCTION, GERMINATION, AUTECOLOGY IN EASTERN CANADIAN CONIFERS.
YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

CONSERVATION

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.
COAKLEY JOHN P : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL-ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE CONSERVATION IN THE FACE OF INDUSTRIAL AND RECREATIONAL-DEVELOPMENT OF THE COASTAL-ZONE.
FAHSELT D : CHAIRMAN, CANADIAN BOTANICAL ASSOCIATION CONSERVATION COMMITTEE.
FENGE TAE : LAND-USE POLICY AND PLANNING IN ARCTIC AND SUBARCTIC AREA WITH SPECIFIC REFERENCE TO ENVIRONMENTAL CONSERVATION.
FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.
HERRERO STEPHEN : RESEARCH AND PLANNING NECESSARY TO GENERATE SUSTAINABLE BENEFITS TO PEOPLE FROM CONSERVATION ORIENTED DEVELOPMENT OF RENEWABLE-RESOURCES. EXPERTISE IN WILDLIFE-MANAGEMENT AND PARK-PLANNING.
LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE.
MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

CONSERVATION

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PARENT SERGE : MON CHAMP DE RECHERCHE EST TRES PRECIS: AQUARIOPHILIE (ETUDE DES DIFFERENTS MODES DE CONSERVATION DES ANIMAUX AQUATIQUES EN CAPTIVITE).

ROWLES CHARLES A : SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

SCACE DR R C : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

SCHWASS R D : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

WANG RL : AIR-QUALITY CONTROL, COMBUSTION AND ENERGY CONSERVATION AND CONVERSION ARE THE AREAS OF RESEARCH WORK AND EXPERTISE. THIRTY-TWO PAPERS OF CONTRIBUTIONS HAVE BEEN PUBLISHED AT HOME AND ABROAD.

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

CONSERVER

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

CONSTRUCTION

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

BRENNER J E : ENVIRONMENTAL PROBLEMS IN CONJUNCTION WITH ROAD AND BRIDGE CONSTRUCTION IN WILDERNESS AREAS, PRIOR TO COMMENCEMENT OF A PROJECT. THIS INCLUDES ROUTE STUDIES TO ENSURE ONLY MINIMAL ENVIRONMENTAL DAMAGE.

CAMERON R D : SOLID-WASTE COLLECTION, TREATMENT DISPOSAL. MUNICIPAL UTILITIES DESIGN, CONSTRUCTION MANAGEMENT. WASTEWATER-TREATMENT AND DISPOSAL.

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

FAZIO P : BUILDING SCIENCE. BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

CONSULTANT

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

ROGALSKY JOHN : CONSULTANT. ENVIRONMENTAL DATA-MANAGEMENT. ELECTRONIC DATA-PROCESSING SYSTEMS DEVELOPMENT. CLIMATOLOGICAL APPLICATIONS DESIGN. COMPUTER-SYSTEMS IMPLEMENTATION. UNEP DATA-MANAGEMENT EXPERIENCE.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

THOMPKINS PROF RW : ACTIVE CONSULTANT ON THE DESIGN OF URANIUM MINES.

CONSULTANTS

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL, GEOLOGY, TERRAIN-EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING-GEOLOGY, GEOTECHNICAL STUDIES.

CONSULTING

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

CHAMP DH : DIRECTOR OF ICE BRANCH; MANAGE OPERATIONAL ICE INFORMATION SERVICE PROGRAM: DATA, ANALYSIS, FORECASTING, CONSULTING ON APPLICATIONS, RESEARCH TO SUPPORT SERVICE.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

CONSULTING-SERVICES

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

CONTACTORS

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL, CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

CONTAINER

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

CONTAMINANT

GALE JE : HYDROGEOLOGY OF FRACTURED ROCKS AND CONTAMINANT MIGRATION. ROCK-MECHANICS. FRACTURE PROPERTIES. ENGINEERING GEOLOGY, FRACTURE CHARACTERIZATION.

TAMURA G T : RESEARCH ON MEASUREMENTS OF SOURCES AND INDOOR AIR-CONTAMINANTS: CONTROL ON CONTAMINANT LEVELS.

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

CONTAMINANT-FLUX

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

CONTAMINANT-SOURCE

DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

CONTAMINANT-TRANSPORT

MOLTYANER GL : HYDROGEOLOGICAL, GEOCHEMICAL, AND MATHEMATICAL ASPECTS OF CONTAMINANT-TRANSPORT FROM WASTE-DISPOSAL SITES.

CONTAMINANTS

BERGERON MICHEL : PREPARER ET EVALUER LES RAPPORTS CONFIDENTIELS EN PROVENANCE DE L'INDUSTRIE CANADIENNE CONCERNANT LA FABRICATION OU/ET L'IMPORTATION DE NOUVEAUX PRODUITS CHIMIQUES EN RELATION AVEC LA SOUS-SECTION 4(6) DE LA LOI CANADIENNE DES CONTAMINANTS DE L'ENVIRONNEMENT ET TRAVAILLER A DES PROJETS SPECIAUX TEL QU'UN DOSSIER D'EVALUATION DES COLORANTS.

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE: MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

ENVIRONMENTAL HEALTH CENTRE : THE ENVIRONMENTAL HEALTH DIRECTORATE SERVES TO PROTECT CANADIANS FROM HEALTH HAZARDS ASSOCIATED WITH NATURAL AND MAN-MADE ENVIRONMENTS, THE COMPONENTS OF WHICH ARE THE PHYSICAL, CHEMICAL AND TECHNOLOGICAL ENCOMPASSMENT IN WHICH MODERN MAN LIVES AND WORKS. ITS PROGRAM COMPONENT AND MANDATE HAVE BEEN IDENTIFIED AS BEING ENVIRONMENTAL CONTAMINANTS HAZARDS, RADIATION HAZARDS, AND MEDICAL-DEVICES SAFETY AND EFFICACY.

FOSTER M G : INVESTIGATION OF ENVIRONMENTAL SAMPLES TO CHARACTERIZE TRACE LEVEL ORGANIC CONTAMINANTS. THIS INVOLVES ANALYSIS PRIMARILY BY GC/MS AND OTHER MASS-SPECTROMETRIC TECHNIQUES. COMPARISON STUDIES USING IC/MS, DCI AND FD HAVE BEEN CARRIED OUT ON SOME ENVIRONMENTAL SAMPLES.

FREEMAN HARRY C : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

KELSO JOHN R M : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH-POPULATIONS (BODY BURDENS, BEHAVIOUR).

KILLEY RWD : BOTH PHYSICAL AND CHEMICAL ASPECTS OF THE MOVEMENT/RETARDATION OF CONTAMINANTS IN GROUNDWATER FLOW-SYSTEMS IN UNCONSOLIDATED SEDIMENTS.

LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.

CONTAMINANTS

MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

OLIVER B G : PATHWAYS OF ORGANIC CONTAMINANTS IN SEDIMENTS; BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

OZBURN G W : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.

PLATONOW N : TOXICOLOGICAL-EVALUATION OF FOOD-ADDITIVES, PESTICIDES AND CONTAMINANTS. TOXICOLOGIST IN AREA OF FOOD-PRODUCING DOMESTIC ANIMALS.

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

WILLIAMS D T : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN-TISSUES. REMOVAL OF ORGANIC CONTAMINANTS FROM DRINKING-WATER.

CONTAMINANTS-CHIMIQUES

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

CONTAMINATED-ECOSYSTEMS

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

CONTAMINATION

ARNAC MICHEL-JEAN : CONTAMINATION D'ORGANISMES MARINS PAR LES METAUX (CD, CA, PB, ZN). DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES-SOLUBLES.

BRYDON J E : CONTROL OF TOXIC-CHEMICALS, ASSESSMENT OF HAZARD, ENVIRONMENTAL CONTAMINATION.

HUGHES GM : GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

RAO A V : NUTRITIONAL TOXICOLOGY, ENVIRONMENTAL CONTAMINATION OF FOOD. EXPERTISE IN THE AREA OF FOOD SCIENCE, NUTRITION AND TOXICOLOGY.

SIBUL U : WATER-RESOURCES INVENTORY STUDIES AND MANAGEMENT. GROUNDWATER DEVELOPMENT AND PROTECTION FROM CONTAMINATION. HYDROGEOLOGY STUDIES AND EVALUATIONS.

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION. SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. CONTAMINATION OF BARBECUED CHICKENS. CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY. CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

WARREN H V : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

CONTAMINATIONS

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

CONTAMINENTS

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

CONTAMINENTS

CONTAMINES

LES CONSULTANTS BPR : ETUDES ENVIRONNEMENTALES RELATIVES AU DOMAINE DU DRAGAGE DE SEDIMENTS CONTAMINES. ETUDES ENVIRONNEMENTALES RELATIVES AUX MINES.

CONTINGENCY-PLANNING

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS; TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

MANSFIELD B H : OIL-SPILL COUNTERMEASURES, HAZARDOUS-MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

CONTROL-AGENTS

GALLOWAY MM : BIOLOGY AND CONTROL OF BITING-FLIES; BIOLOGY AND BEHAVIOUR OF BLACK-FLIES, ARBOVIRUS SURVEILLANCE, BIOLOGICAL CONTROL OF BITING-FLIES, ENVIRONMENTAL-IMPACT-ASSESSMENT OF BITING-FLIES, CONTROL-AGENTS.

CONVERSION

JONGEJAN A : THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

WANG RL : AIR-QUALITY CONTROL, COMBUSTION AND ENERGY CONSERVATION AND CONVERSION ARE THE AREAS OF RESEARCH WORK AND EXPERTISE. THIRTY-TWO PAPERS OF CONTRIBUTIONS HAVE BEEN PUBLISHED AT HOME AND ABROAD.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL, CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

COPPER

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD, EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL-EXPOSURE. TRANSPORT FORMS OF COPPER IN HUMAN SERUM.

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

CORAL-REEFS

NURSALL J R : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC-POLICY; WASTE-MANAGEMENT.

CORROSION

DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

SEREDA PETER J : CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

COST

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

COST-BENEFIT

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

COST-CONTROL

LEE HENRY : ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

COST-EFFECTIVENESS

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

COSTING

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY-INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE, (CMEA).

CO2-FLUX

CO2-FLUX

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION. AIR-SAMPLING. TURBULENCE RESEARCH. CO2-FLUX MEASUREMENT. ACID-RAIN RESEARCH.

CRABS

SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES. SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

CROP

LEE HENRY : ACTIVATED SLUDGE PROCESSES. LAGOON. AERATION TECHNIQUES. AUTOMATIC MONITORING. FLOW-CONTROL. AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA. BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

CROP-ECOSYSTEMS

DOANE JF : BIOLOGY. BEHAVIOUR AND CONTROL OF WIREWORMS. GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

CROP-GROWTH

BROWN D M : AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

CROP-LOSSES

CHENG H H : BIOLOGY. POPULATION-DYNAMICS. CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

CROP-PRODUCTION

ADAM KENNETH M : SOIL AND WATER: IRRIGATION. DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.

CROP-PROTECTANTS

MAURER A R : EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES. PLASTIC-TUNNELS ETC.

CROPS

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW. ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE. CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

HARPER D S : EFFECTS OF AIR-POLLUTANTS. SPECIFICALLY GASEOUS AIR-POLLUTANTS. ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS. HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

LINZON S N : EFFECTS OF AIR-POLLUTION ON SOILS. CROPS. AND FORESTRY (INCLUDES SO2. F. O3. ACID-RAIN. ETC.).

CROPS

MAURER A R : EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

MCCLANAHAN R J : BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES; REVISION OF CONTROL RECOMMENDATIONS.

CRUDE-OIL

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

CRUSHING-PLANTS

MURRAY DJ : UNDERGROUND MINING ENVIRONMENT, ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES, QUARRIES, GRAVEL-PITS AND CRUSHING-PLANTS.

CRUSTACEAN

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

CULTIVARS

MAURER A R : EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

CULTURING

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

CYANIDE

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

WYSLOUZIL D M : STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.

CYANIDES

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS. ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

CYTOLOGY

BONGA JAN M : CONIFER TISSUE-CULTURE. CONIFER CYTOLOGY.

DAMS

RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

DATA-ANALYSIS

BOBEE B : STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA. FAUNA SURVEYS.

DATA-BANK

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

DATA-BANKS

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT-DATA IN DATA-BANKS (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BANKS CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.

DATA-BASE

GULLON A C : CURRENTLY DEVELOPING DATA-BASE ON DIRECT POLLUTION BY CONSUMERS IN CANADA (E.G. AUTOMOBILE-EMISSIONS, PESTICIDES USED BY CONSUMERS).

DATA-COLLECTION

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

DATA-INTERPRETATION

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT. DATA-INTERPRETATION. RECREATIONAL WATER-QUALITY. SURFACE-WATER. PUBLIC-HEALTH SIGNIFICANCE. SURVEY-DESIGN. USE OF COMPUTERS.

DATA-MANAGEMENT

ELDER F C : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC-SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT.

KEYTE F K : CLIMATOLOGICAL DATA-MANAGEMENT AND RETRIEVAL, INCLUDING COMPUTERIZED DATA-MANAGEMENT SYSTEMS.

ROGALSKY JOHN : CONSULTANT. ENVIRONMENTAL DATA-MANAGEMENT. ELECTRONIC DATA-PROCESSING SYSTEMS DEVELOPMENT. CLIMATOLOGICAL APPLICATIONS DESIGN. COMPUTER-SYSTEMS IMPLEMENTATION. UNEP DATA-MANAGEMENT EXPERIENCE.

DATA-SYSTEMS

CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS, GRAPHIC PRESENTATION OF ENVIRONMENTAL DATA, LAND-RESOURCE DATA-SYSTEMS.

RUBEC C D A : ECOLOGICAL LAND-SURVEY. APPLICATIONS. LAND-MANAGEMENT AND DATA-SYSTEMS. LAND-USE MONITORING.

DATABASES

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

WINTER PETER : BIOMASS ENERGY DATABASES. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER.

DDT

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

DEHUMIDIFICATION

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING, TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

DENITRIFICATION

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

MCKENNEY D J : THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS-FLOW-SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

DEPOTOIRS

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

DEPURATION

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

DESERT

HARE F K : ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

DESULPHURIZATION

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

DETOXICATION

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

DETOXIFICATION

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

DEVELOPING-COUNTRIES

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

DIATOM

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

DIESEL-EMISSIONS

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

DIESEL-ENGINES

WHYTE R B : GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS; SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.

WONG J K S : RECIPROCATING ENGINES. ALTERNATE-FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL-FUEL ON DIESEL-ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

DIGESTER

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

DIOXINS

DAVIDSON WM R : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

GRANT D L : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

DIPTERA

FREDEEN F J H : QUANTITATIVE SAMPLING OF INVERTEBRATES IN RIVERS, ESPECIALLY BLACK-FLIES SIMULIIDAE (DIPTERA).

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

DISABLED

IZUMI K : PSYCHO-SOCIAL CONSIDERATIONS IN OR OF ENVIRONMENTAL-DESIGN WITH SPECIAL REFERENCE TO PHYSICALLY AND PSYCHOLOGICALLY DISABLED. NATURE OF HUMAN INFORMATION WITH REFERENCE TO SOCIAL-POLICY AND PLANNING. ENVIRONMENTAL ETHICS.

DISABLED

SHALINSKY W : SMALL GROUPS IN PLANNING AND POLICY. ENVIRONMENTS OF THE DISABLED. SERVICES FOR THE DISABLED. SOCIAL-PLANNING. RELATIONSHIP BETWEEN SOCIAL-PLANNING AND PHYSICAL (LAND-USE) PLANNING.

DISEASE

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.

HOFSTRA G : AIR-POLLUTION IMPACT ON PLANTS. AIR-POLLUTION DISEASE INTERACTION. EFFECTS OF ENVIRONMENTAL-STRESS ON PLANTS.

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

WALL R E : ROLE OF DISEASE IN DEVELOPING FOREST-ECOSYSTEMS.

DISEASE-CONTROL

JORGENSEN ERIK : SILVICULTURE; ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO, SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

DISEASE-RESISTANT

MCKENZIE R I H : OAT-BREEDER AND GENETICIST. THE DEVELOPMENT OF BETTER AND MORE DISEASE-RESISTANT OATS FOR THE EASTERN CANADIAN PRAIRIES.

DISEASES

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL): WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

BELL GORDON R : IDENTIFICATION, CHARACTERIZATION, PREVENTION CONTROL OR THERAPY OF INFECTIOUS DISEASES OF COMMERCIALLY IMPORTANT FISHES, PARTICULARLY SALMON.

BRUCE WR : RELATION BETWEEN DIET AND COLON AND BREAST CANCER AND THE POSSIBILITY OF PREVENTING THESE DISEASES.

GILBERTSON M : CHEMICALLY-INDUCED DISEASES IN WILDLIFE AND FISH. REGULATION OF CHEMICALS.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

PIENING L : CHEMICAL AND BIOLOGICAL-CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

SCOTT J S : GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE. ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

SHAH B G : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES, BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

WHITNEY R D : DAMAGE-APPRAISAL, CAUSAL FUNGI, SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS-TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS.

DISINFECTANTS

WALLBANK A M : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

DISINFECTION

SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

DISINFECTION

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

DISPERSANTS

ABBOTT F S : TESTING OIL-SPILL DISPERSANTS; USE OF DISPERSANTS; BIODEGRADATION.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

TEDESCHI E T T : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

DISPOSAL

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

CAMERON R D : SOLID-WASTE COLLECTION, TREATMENT DISPOSAL. MUNICIPAL UTILITIES DESIGN, CONSTRUCTION MANAGEMENT. WASTEWATER-TREATMENT AND DISPOSAL.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

KARAU J H : NATIONAL MANAGER OF THE OCEAN-DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

ROBERTS KJ : DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION, TREATMENT AND DISPOSAL, SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SIMPSON F : POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

DISPOSAL

WAN J K S : DISPOSAL OF CHEMICAL-WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

DNA

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS; AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.

DRUEHL LOUIS D : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

DOCUMENTATION

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU, ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

DOPPLER-SODARS

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

DRAFTING

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

DRAGAGE

LES CONSULTANTS BPR : ETUDES ENVIRONNEMENTALES RELATIVES AU DOMAINE DU DRAGAGE DE SEDIMENTS CONTAMINES. ETUDES ENVIRONNEMENTALES RELATIVES AUX MINES.

DRAIN-DESIGN

SWITZER-HOWSE K D : EVALUATION OF AGRICULTURAL IMPACTS AND REMEDIAL MEASURES ON WATER-QUALITY AND QUANTITY; AGRICULTURAL-MANAGEMENT PRACTICES TO REDUCE SOIL-DEGRADATION; IMPACT OF DRAINAGE AND DRAIN-DESIGN ON EROSION, WATER-QUALITY AND QUANTITY.

DRAINAGE

DRAINAGE

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

COOTE D R : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

MILNE R A : SOILS: STUDIES AND RESEARCH IN DRIFTING, CHEMISTRY, SURVEY, SALINITY AND DRAINAGE.

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

SWITZER-HOWSE K D : EVALUATION OF AGRICULTURAL IMPACTS AND REMEDIAL MEASURES ON WATER-QUALITY AND QUANTITY; AGRICULTURAL-MANAGEMENT PRACTICES TO REDUCE SOIL-DEGRADATION; IMPACT OF DRAINAGE AND DRAIN-DESIGN ON EROSION, WATER-QUALITY AND QUANTITY.

VANDENBERG A : GROUNDWATER HYDROLOGY, MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

DRAINAGE-BASIN

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.

DREDGED-MATERIALS

LUM K R : CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.

DREDGING

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

DRILLING-FLUIDS

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

DRINKING-WATER

CLARK JA : MICROBIOLOGICAL-ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION-INDICATOR BACTERIA

HALL CD : ANALYSIS OF DRINKING-WATER FOR EVIDENCE OF INDUSTRIAL-CONTAMINATION BY HAZARDOUS ORGANIC-MATERIALS, INCLUDING LEGAL CASES WHEN NECESSARY. DEVELOPING AND MAINTAINING METHODS OF ANALYSIS. INTERPRETING RESULTS FOR USE IN THE FIELD.

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

OLIVER B G : PATHWAYS OF ORGANIC CONTAMINANTS IN SEDIMENTS; BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

ROBERTS KJ : DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION, TREATMENT AND DISPOSAL, SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.

DRINKING-WATER

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

WILLIAMS D T : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN-TISSUES. REMOVAL OF ORGANIC CONTAMINANTS FROM DRINKING-WATER.

DRIVING-BEHAVIOUR

KNAPPER CK : ENVIRONMENTAL BEHAVIOUR AND ATTITUDES, WITH SPECIAL REFERENCE TO THE TRAFFIC ENVIRONMENT, DRIVING-BEHAVIOUR AND RECREATIONAL TRAVEL.

DROUGHT

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

DRUG

ELLENBERGER H : ANALYSIS AND INTERPRETATION OF RESULTS ASSOCIATED WITH CLINICAL TOXICOLOGY, OCCUPATIONAL-HEALTH, STREET DRUG ANALYSES.

DRUG-REACTIONS

DOLOVICH JERRY : ALLERGY, OCCUPATIONAL ASTHMA, ALLERGIC ALVEOLITIS, DRUG-REACTIONS.

DRUGS

KALOW W : METABOLISM OF DRUGS AND CHEMICALS IN MAN; PERSON-TO-PERSON VARIATION IN THE METABOLIZING CAPACITY; GENETIC-DEFECTS OF METABOLISM AND ITS CONSEQUENCES.

NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GC-MS.

DUCK-HUNTING

BOYD H : STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.

DUMPING

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

DUST

MURRAY DJ : UNDERGROUND MINING ENVIRONMENT, ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES, QUARRIES, GRAVEL-PITS AND CRUSHING-PLANTS.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

DUST-SAMPLING

KNIGHT G K : AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

DUSTS

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

EARLY-WARNING-SYSTEMS

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

EARTH-FILTERS

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

EAU

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

EAU-POTABLE

COTE P A : CONTROLE DE QUALITE DE L'EAU POTABLE (EAU-POTABLE).

EAUX

BRIERE M FRANCOIS : EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.
GUBELI A O : CHIMIE MINERALE ET CHIMIE DES COMPLEXES. CHIMIE ANALYTIQUE. CHIMIE DE L'ENVIRONNEMENT. CHIMIE DES EAUX. RADIOCHIMIE.

EAUX-DOUCES

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

EAUX-USEES

COUILLARD DENIS : CARACTERISTIQUES DES EAUX-USEES. MODELES EN RIVIERES. TRAITEMENTS-DES-EAUX USEES. PLANIFICATION ET GESTION DES EAUX-USEES. EVALUATION DES IMPACTS.
LABONTE ROGER : ASSAINISSEMENT DES EAUX-USEES AU MOYEN DE TECHNOLOGIES DOUCES TELLES QUE LE LAGUNAGE ET LES TOURBIERES CONCEPTION ASSISTEE A L'ORDINATEUR DES STATIONS D'EPURATION DES EAUX-USEES. FORMATION PROFESSIONNELLE DANS LE DOMAINE DU GENIE DE L'ENVIRONNEMENT.

ECOLOGICAL-RESERVES

GRIFFIN D F : ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

ECOLOGIE-AQUATIQUE

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU, ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.
PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

ECOLOGY-PHYSIOLOGY

PERCY J A : ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

ECONOMETRICS

FORSTER AB : FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.

ECONOMIC

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

LEIDNER J : RECYCLING OF PLASTICS. PUBLICATION OF "PLASTICS WASTE, RECOVERY OF ECONOMIC VALUE". NEW YORK, M. DEKKER, 1981.

LEWIS CA : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

MCMILLAN M L : ECONOMIC EVALUATION OF THE COSTS AND BENEFITS OF PUBLIC COMMODITIES INCLUDING ENVIRONMENTAL AMENITIES AND DISAMENITIES. ENVIRONMENTAL-MANAGEMENT TOOLS AND INSTITUTIONS.

WALL G : IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

WEMYSS D : EVALUATION AND MODIFICATION OF METHODS AND INSTRUMENTS ASSOCIATED WITH DETERMINING SPECIFIC PARAMETERS OF RAW WATER, USING THE DATA FOR DRAWING UP AN OPTIMAL ECONOMIC METHOD FOR ITS EFFICIENT TREATMENT.

ECONOMICS

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING, TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

FORSTER AB : FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

VEEMAN T S : WATER-RESOURCES POLICY, LAND-USE POLICY, WORLD FOOD PROBLEM, ENVIRONMENTAL AND RESOURCE ECONOMICS.

ECONOMIE

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

ECOPHYSIOLOGY

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS. SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

ECOSYSTEM

DORNEY ROBERT S : ENVIRONMENTAL-ANALYSIS FOR PLANNING, DESIGN, PROTECTION AND MANAGEMENT PURPOSES, BOTH REGIONAL AND URBAN. URBAN ECOSYSTEM STRUCTURES AND PROCESSES. ENVIRONMENTAL-ASSESSMENT, REGIONAL RESOURCE MANAGEMENT, NATURE RESERVE PLANNING.

GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEMS IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL-SCIENTISTS.

HARE F K : ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

RYDER R A : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

SENYK JOHN P : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

ECOSYSTEMS

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

BIDGOOD FB DR : FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

PARSONS T R : MARINE-POLLUTION; FISHERIES; EXPERIMENTAL ECOSYSTEMS; RESEARCH; NUTRIENT-CYCLING; UNIVERSITY TEACHING.

PATEL G B : ISOLATION, CHARACTERIZATION AND THE STUDY OF THE PHYSIOLOGY OF OBLIGATE ANAEROBES INVOLVED IN THE BREAKDOWN OF COMPLEX ORGANIC MATTER PRESENT IN NATURAL ECOSYSTEMS EG. CELLULOLYTIC, METHANOGENIC AND SACCHARDYTIC ANAEROBES.

PETERS R H : ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS, CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.

REGIER H A : REHABILITATION OF DEGRADED AQUATIC ECOSYSTEMS ESPECIALLY WITH RESPECT TO PRODUCTION OF VALUED FISH SPECIES, ASSESSMENT AND MANAGEMENT OF WILD FISHERY RESOURCES; ALL OF THE ABOVE IN AN INTERDISCIPLINARY CONTEXT.

ROFF J C : BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS, CHEMICAL AND PHYSICAL OCEANOGRAPHY.

ECOSYSTEMS

ECOTOXICOLOGIE

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

ECOTOXICOLOGY

BUTLER G C : ECOTOXICOLOGY; RADIATION-PROTECTION; THIRD-WORLD SCIENCE.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

EDUCATION

ANDERSON J M : FISHERIES RESEARCH AND DEVELOPMENT, IN PARTICULAR THE FIELDS OF AQUACULTURE AND SALMONID ENHANCEMENT STRATEGIES; EDUCATION AND TRAINING A SPECIALTY.

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS. BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

CURTIS FA : ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.

GENEST L : EDUCATION EN ENVIRONNEMENT; INTERPRETATION DE LA NATURE;CENTRE ECOLOGIQUE; GUIDES D'INTERPRETATION; ETUDE D'IMPACT.

MCCLAREN M : DECISION-MAKING AND PROBLEM SOLVING BEHAVIOUR WITH A FOCUS ON ENVIRONMENTAL-ISSUES AND/OR PROBLEMS, WITH PARTICULAR REFERENCE TO THE EDUCATION OF PEOPLE FOR IMPROVED ABILITY IN PROBLEM-SOLVING.

MCNEIL LUCIE : REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

PERKS W T : STRATEGIC AND DEVELOPMENT PLANNING; URBAN-DEVELOPMENT; ENVIRONMENTAL EDUCATION AND TRAINING; POLICY-PLANNING AND ANALYSIS.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SCHWASS R D : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

VALLENTYNE JOHN R : ENVIRONMENTAL EDUCATION; LIMNOLOGY; SCIENCE AND SOCIETY INTERACTION.

EDUCATION-POPULAIRE

BOULIANE P : STATION FORESTIERE POUR L'ENSEIGNEMENT UNIVERSITAIRE ET SUPPORT A DES ACTIVITES DE RECHERCHES. REALISATION D'UN PROGRAMME D'AMENAGEMENT FORESTIER POLYVALENT. EDUCATION-POPULAIRE SUR LA FORET.

EDUCATIONAL

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

GRIFFIN D F : ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

EDUCATIONAL

JONES L E : HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.

EFFLUENT

BETTS J L : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION-ABATEMENT TECHNOLOGY.

CHAI C Y : PULP-AND-PAPER MILL INPLANT CONTROL AND EFFLUENT TREATMENT-SYSTEM.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT-SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.

EFFLUENTS

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

FINDLAY D M : ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION. FISH-TOXICITY. EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

LEE HENRY : ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

EGGS

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

ELECTRICAL-ENGINEERING

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES. GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

ELECTRICAL-TRANSMISSION

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

ELECTROCHEMICAL

OLDHAM K B : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS. EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

PAGE J A : TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.

ELECTROCHEMISTRY

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

ELECTRODEPOSITION

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

EMERGENCIES

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

MANSFIELD B H : OIL-SPILL COUNTERMEASURES, HAZARDOUS-MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

EMISSION

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

WILLIAMS D A : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

EMISSIONS

BAMBROUGH HA : CONTROL TECHNOLOGY FOR EMISSIONS TO ATMOSPHERE FROM FOSSIL FUEL-FIRED ELECTRICITY GENERATING UNITS, STEAM AND GAS TURBINE-DRIVEN.

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

WONG J K S : RECIPROCATING ENGINES. ALTERNATE-FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL-FUEL ON DIESEL-ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

EMULSIFIERS

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

ENDANGERED

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

ENDANGERED-PLANTS

ARGUS G W : SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.

ENDOSCOPES

WALLBANK A M : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

ENERGETICS

MACKAY W C : ENVIRONMENTAL PHYSIOLOGY OF FISH, PARTICULARLY THE ENERGETICS OF TEMPERATE FRESHWATER FISH. RELATIONSHIP BETWEEN LATITUDE AND GROWTH RATE. ENVIRONMENTAL FACTORS WHICH AFFECT BODY AND GONAD-GROWTH.

THOMAS DW : ECOLOGY AND BEHAVIOUR OF CHIROPTERA, COMMUNITY STRUCTURE, FEEDING, FRUGIVORY, SEED-DISPERSAL, ENERGETICS, MANAGEMENT.

ENERGIE

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

ENERGY

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING, TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

DICKSON LIU : BIODEGRADATION AND TOXICITY-ASSESSMENT OF TOXIC-SUBSTANCES; INDUSTRIAL WASTEWATER-TREATMENT, BIOTECHNOLOGY DEVELOPMENT IN ENERGY AND RESOURCES.

DRAPER D W : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR-POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.

FOX C : WORKING TO REDUCE POLLUTION, TO PROMOTE THE MAINTENANCE OF A HEALTHY LIVEABLE ENVIRONMENT, TO CONSERVE ENERGY, RENEWABLE AND NON-RENEWABLE RESOURCES BY BRINGING THESE ISSUES TO THE ATTENTION OF THE PUBLIC AND DECISION-MAKERS.

GORDON DONALD : CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT, HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

ENERGY

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

PEPPER J M : CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SCOTT D S : CONDUCTS AND PROMOTES SYSTEMS-ANALYSIS, RESEARCH, DEVELOPMENT, DEMONSTRATION AND COMMERCIALIZATION OF HYDROGEN, AND HYDROGEN RELATED ENERGY SYSTEMS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

WANG RL : AIR-QUALITY CONTROL, COMBUSTION AND ENERGY CONSERVATION AND CONVERSION ARE THE AREAS OF RESEARCH WORK AND EXPERTISE. THIRTY-TWO PAPERS OF CONTRIBUTIONS HAVE BEEN PUBLISHED AT HOME AND ABROAD.

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

WINTER PETER : BIOMASS ENERGY DATABASES. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

ENERGY-BALANCE

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

ENERGY-BALANCES

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

ENERGY-CONSERVATION

BEHARRIELL RH : EDITOR OF PROBE-POST: CANADA'S ENVIRONMENTAL MAGAZINE. PROBE-POST FEATURES ARTICLES, NEWS AND ANALYTICAL COMMENT ON A WIDE RANGE OF ENVIRONMENTAL ISSUES, SUCH AS ACID-RAIN, PESTICIDES, TOXIC-WASTES, AND ENERGY-CONSERVATION.

ENERGY-CONSERVATION

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

ROSS WILLIAM : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY-POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

ENERGY-DEVELOPMENTS

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

ENERGY-METABOLISM

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

ENERGY-POLICY

ROSS WILLIAM : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY-POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

ENFOR

HOPWOOD WA : INVENTORY OF FOREST BIOMASS. PUBLICATIONS ON: ENFOR BIOMASS ESTIMATION PROJECTS; COORDINATION OF BIOMASS ESTIMATION IN CANADA; AND CANADA'S FOREST BIOMASS INVENTORY - 1984.

ENGINEERING

BERNHART A P : ENVIRONMENTAL PLANNING AND ENGINEERING CONCERNING THE FUTURE OF OUR SOCIETY.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

ENGINEERING AND STATISTICAL : INSTITUTE ESTABLISHED IN 1978 BRINGING TOGETHER EXPERTS IN THE MAJOR ENGINEERING FIELDS, STATISTICIANS AND COMPUTER-PROGRAMMERS TO SUPPORT THE ACTIVITIES OF AGRICULTURE CANADA AND THE CANADIAN AGRICULTURAL INDUSTRY. MUCH OF THE WORK BEING DONE CONCERNS THE ENVIRONMENT.

GALE JE : HYDROGEOLOGY OF FRACTURED ROCKS AND CONTAMINANT MIGRATION. ROCK-MECHANICS, FRACTURE PROPERTIES. ENGINEERING GEOLOGY, FRACTURE CHARACTERIZATION.

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

MARSHALL D WI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

ENGINEERING

ROMANO L S : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION. SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY. IMPACT AND RISK-ASSESSMENT. AIR-QUALITY MONITORING.

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.

ENGINEERING-GEOLOGY

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL, GEOLOGY, TERRAIN-EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING-GEOLOGY, GEOTECHNICAL STUDIES.

ENGINES

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

WONG J K S : RECIPROCATING ENGINES. ALTERNATE-FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL-FUEL ON DIESEL-ENGINES PERFORMANCE: INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

ENTEROVIRUSES

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

ENTOMOLOGIE

JOBIN LUC J : PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.

ENTOMOLOGIE-ECOLOGIE

FERNET L : ENTOMOLOGIE-ECOLOGIE: INVENTAIRE DES ODONATES: GASPESIE, CAP JASEUX. ODONATES INDICATEURS DE LA NATURE DU MILIEU. EMERGENCE DES ODONATES DU SAGUENAY.

ENTOMOLOGY

DOLINSKI G : STORED GRAIN INSECTS, TOXICITY OF INSECTICIDES TO HONEY-BEES, LEAF CUTTER BEE-MANAGEMENT, FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

KEVAN D K : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES. ETC.) SOIL-FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

RYAN J K : ENTOMOLOGY; INSECT SURVEYS.

SAWCHYN W W : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

ENTOMOLOGY

ENVIROLOG

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

ENVIRONMENTAL-ACTION

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

ENVIRONMENTAL-ASSESSMENT

BIRD P M : HEADED NATIONAL RADIATION-PROTECTION PROGRAM. PARTICIPATION IN INTERGOVERNMENTAL POLICY MEETINGS. DIRECTED DEVELOPMENT OF CLEAN-AIR-ACT. MEMBER OF ENVIRONMENTAL-ASSESSMENT PANEL. CURRENTLY WORKING ON PREPARATION OF NATIONAL STATE OF THE ENVIRONMENT REPORT.

BROUGHTON ERIC R : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES, SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

DORNEY ROBERT S : ENVIRONMENTAL-ANALYSIS FOR PLANNING, DESIGN, PROTECTION AND MANAGEMENT PURPOSES, BOTH REGIONAL AND URBAN. URBAN ECOSYSTEM STRUCTURES AND PROCESSES, ENVIRONMENTAL-ASSESSMENT, REGIONAL RESOURCE MANAGEMENT, NATURE RESERVE PLANNING.

EAGLES P F J : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK-PLANNING, OUTDOOR-EDUCATION AND ENVIRONMENTAL-ASSESSMENT. PUBLICATION FORTHCOMING IN 1984.

FEDERAL ENVIRONMENTAL ASSESSMENT : FEARO ADMINISTERS THE FEDERAL ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCESS FOR DETERMINING THE ENVIRONMENTAL ACCEPTABILITY OF PLANS INVOLVING THE GOVERNMENT THROUGH FUNDS OR LANDS. DEPARTMENTS DO INITIAL ASSESSMENTS. PROPOSALS WITH SIGNIFICANT POTENTIAL IMPACTS ARE REVIEWED PUBLICLY BY INDEPENDENT PANEL PANELS, WHOSE SECRETARIATS, AND USUALLY CHAIRMEN, ARE FEARO STAFF.

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING, POWER-GENERATION AND PROCESS APPLICATIONS; ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT-PANELS. MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF ENVIRONMENTAL-ASSESSMENT RESEARCH ADVISORY COMMITTEE (EARAC) SECRETARIAT, SCIENTIFIC AUTHORITY AND PROJECT MANAGER OF FEARO RESEARCH PROJECTS.

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

WISEMAN R J : RESEARCH MANAGEMENT AND ADMINISTRATION WITH EXPERIENCE IN ENVIRONMENTAL-ASSESSMENT, FISH-HABITAT RESEARCH, AND FRESHWATER ECOLOGY AND FISHERIES-BIOLOGY.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

ZYTARUK BRIAN G : ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

ENVIRONMENTAL-ASSESSMENT-PANELS

SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT-PANELS. MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF ENVIRONMENTAL-ASSESSMENT RESEARCH ADVISORY COMMITTEE (EARAC) SECRETARIAT, SCIENTIFIC AUTHORITY AND PROJECT MANAGER OF FEARO RESEARCH PROJECTS.

ENVIRONMENTAL-ASSESSMENTS

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS. LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.
ZACH RETO : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. ENVIRONMENTAL-ASSESSMENTS. EFFECTS OF RADIATION ON BIRDS. ECOLOGY. ANIMAL-BEHAVIOUR.

ENVIRONMENTAL-AWARENESS

WHITTAM RF : ENVIRONMENTAL-AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION-PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

ENVIRONMENTAL-CONTAMINANTS

KRUPTA DR SV : RESEARCH MANAGEMENT. ACID-DEPOSITION. ENVIRONMENTAL-ASSESSMENT. ENVIRONMENTAL-CONTAMINANTS. ENVIRONMENTAL EMERGENCIES. RECLAMATION. RISK-ANALYSIS. SOCIO-ECONOMIC ANALYSIS. TECHNOLOGICAL ASSESSMENT. WASTE-MANAGEMENT.
WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.
WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

ENVIRONMENTAL-DESIGN

IZUMI K : PSYCHO-SOCIAL CONSIDERATIONS IN OR OF ENVIRONMENTAL-DESIGN WITH SPECIAL REFERENCE TO PHYSICALLY AND PSYCHOLOGICALLY DISABLED. NATURE OF HUMAN INFORMATION WITH REFERENCE TO SOCIAL-POLICY AND PLANNING. ENVIRONMENTAL ETHICS.

ENVIRONMENTAL-ENGINEERING

CURTIS FA : ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.
HEINKE G W : PHYSICAL/CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. FIRE-PROTECTION STUDIES.
TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

ENVIRONMENTAL-HEALTH

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH. EPIDEMIOLOGY. ASBESTOS AND ITS HEALTH EFFECTS. AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.

ENVIRONMENTAL-IMPACT

BERKES DR F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

ENVIRONMENTAL-IMPACT

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

BOYD F C : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT ASSESSMENTS; MULTIPLE-USE-PLANNING AND POLICY DEVELOPMENT.

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

GORDON DONALD : CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT. HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

LAMB A : DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES. CLIENT LIAISON. PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.

LUM K R : CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

SILVERSIDES CR : TIMBER-HARVESTING (ENVIRONMENTAL-IMPACT) SHORT ROTATION FORESTRY-ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

STEWART R K : INSECT ECOLOGY, PEST-MANAGEMENT, ENVIRONMENTAL-IMPACT, INSECT PEST-CONTROL.

WESTLAKE D W S : OIL MICROBIOLOGY; ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS; ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS; ANTIBIOTIC BIOSYNTHESIS.

ENVIRONMENTAL-IMPACT-ASSESSMENT

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

ANDREYCHUK EP AL : CONDUCT WASTEWATER AND HYDROLOGY WATER-QUALITY STUDIES; PREPARE ENVIRONMENTAL-IMPACT-ASSESSMENT STUDIES.

ATTON F M : LIMNOLOGY; APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

ENVIRONMENTAL-IMPACT-ASSESSMENT

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

CARTER J A : BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.

CURTIS FA : ENVIRONMENTAL-IMPACT-ASSESSMENT; ENVIRONMENTAL PLANNING AND MANAGEMENT; ENVIRONMENTAL EDUCATION; PROJECT PLANNING AND DEVELOPMENT; ENVIRONMENTAL-ENGINEERING; ENVIRONMENTAL MEDIATION; DISTANCE EDUCATION.

DAVIS DR E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES.

DUINKER P N : RESEARCH AND EXPERTISE IN FOREST-ECOLOGY, AND SCIENCE-BASED APPROACHES TO ENVIRONMENTAL-IMPACT-ASSESSMENT.

FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY, WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING, ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

GALLOWAY MM : BIOLOGY AND CONTROL OF BITING-FLIES; BIOLOGY AND BEHAVIOUR OF BLACK-FLIES, ARBOVIRUS SURVEILLANCE, BIOLOGICAL CONTROL OF BITING-FLIES, ENVIRONMENTAL-IMPACT-ASSESSMENT OF BITING-FLIES, CONTROL-AGENTS.

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

LERER H : PESTICIDES: EVALUATION AND REGULATION; ENVIRONMENTAL-IMPACT-ASSESSMENT; AGRICULTURAL PRACTICES RELATING TO PESTICIDES; TOXIC-CHEMICALS MANAGEMENT.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

MUNN R E : ENVIRONMENTAL-IMPACT-ASSESSMENT, DESIGN OF ENVIRONMENTAL MONITORING NETWORK, AIR-POLLUTION, MICROMETEOROLOGY.

MURPHY KEITH L : WATER AND WASTEWATER-TREATMENT PROCESSES; WATER-QUALITY MODELLING; ENVIRONMENTAL-IMPACT-ASSESSMENT.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

NEAME P A : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

ROSS WILLIAM : ENVIRONMENTAL-IMPACT-ASSESSMENT, ENERGY-POLICY ANALYSIS, ENERGY-CONSERVATION, ENVIRONMENTAL-MANAGEMENT.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY; BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT, FISH PASSAGE AT DAMS, ATLANTIC SALMON ECOLOGY.

SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE-HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION-MANAGEMENT.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH, LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

ENVIRONMENTAL-IMPACT-ASSESSMENT

TOMLINS G F : APPLICATION OF SATELLITE REMOTE-SENSING DATA FOR ENVIRONMENTAL-IMPACT-ASSESSMENT AND ENVIRONMENTAL-MONITORING. DIGITAL IMAGE ANALYSIS. DEVELOPMENT OF MINI-RPV'S (UNMANNED AIRCRAFT) FOR AERIAL-SURVEILLANCE AND MONITORING.

WORGAN J P : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY-MONITORING AND ASSESSMENT.

ZOLTAI S C : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

ENVIRONMENTAL-IMPACT-ASSESSMENTS

HADJINICOLAOU DR J : TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT. RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING

ENVIRONMENTAL-IMPACT-STUDIES

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

ENVIRONMENTAL-IMPROVEMENT

MACDOUGALL D : DIRECTOR, ENVIRONMENTAL SCIENCES. AGRICULTURAL-CHEMISTRY DEGREES. MEMBER OF COMMITTEE ON ENVIRONMENTAL-IMPROVEMENT, AMERICAN CHEMICAL SOCIETY.

ENVIRONMENTAL-ISSUES

MCCLAREN M : DECISION-MAKING AND PROBLEM SOLVING BEHAVIOUR WITH A FOCUS ON ENVIRONMENTAL-ISSUES AND/OR PROBLEMS, WITH PARTICULAR REFERENCE TO THE EDUCATION OF PEOPLE FOR IMPROVED ABILITY IN PROBLEM-SOLVING.

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

ENVIRONMENTAL-LAW

BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

LANDIS H : ENVIRONMENTAL-LAW. GENERAL COUNSEL TO THE MINISTRY OF THE ENVIRONMENT (ONTARIO) AND SENIOR SOLICITOR TO THE FORMER ONTARIO WATER-RESOURCES COMMISSION.

ENVIRONMENTAL-MANAGEMENT

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES. ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES. HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

DOOLEY J E : DECISION PROCESSES AND STATISTICAL INFORMATION-SYSTEMS APPLICABLE TO RISK AND ENVIRONMENTAL-MANAGEMENT.

ENVIRONMENTAL-MANAGEMENT

DWIVEDI O P : ENVIRONMENTAL POLICY-PLANNING AND MANAGEMENT. ENVIRONMENTAL LEGISLATION. ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT. INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS. NORTH-SOUTH ENVIRONMENTAL RELATIONS. AND ENVIRONMENTAL ADMINISTRATION.

HADJINICOLAOU DR J : TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.

LANGHAM E J : APPLICATIONS OF REMOTE-SENSING TO ENVIRONMENTAL-MANAGEMENT.

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY. ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

MCMILLAN M L : ECONOMIC EVALUATION OF THE COSTS AND BENEFITS OF PUBLIC COMMODITIES INCLUDING ENVIRONMENTAL AMENITIES AND DISAMENITIES. ENVIRONMENTAL-MANAGEMENT TOOLS AND INSTITUTIONS.

ROSS WILLIAM : ENVIRONMENTAL-IMPACT-ASSESSMENT. ENERGY-POLICY ANALYSIS. ENERGY-CONSERVATION. ENVIRONMENTAL-MANAGEMENT.

ENVIRONMENTAL-MONITORING

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING: ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

LUSH DONALD L : ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.

TOMLINS G F : APPLICATION OF SATELLITE REMOTE-SENSING DATA FOR ENVIRONMENTAL-IMPACT-ASSESSMENT AND ENVIRONMENTAL-MONITORING. DIGITAL IMAGE ANALYSIS. DEVELOPMENT OF MINI-RPV'S (UNMANNED AIRCRAFT) FOR AERIAL-SURVEILLANCE AND MONITORING.

ENVIRONMENTAL-PLANNING

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS. LANDSCAPING.

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING. ENVIRONMENTAL-IMPACT-ASSESSMENT. AND LAND-EVALUATION AND DIGITAL MAPPING.

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

RICH GS : LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT. NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

ENVIRONMENTAL-POLLUTANTS

PEAKALL D B : ENVIRONMENTAL-POLLUTANTS (ESPECIALLY OIL) ON REPRODUCTION OF BIRDS. ESPECIALLY ALTERATION OF PHYSIOLOGY AND BIOCHEMISTRY.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

SMITH DS : SPECIALIST IN ODOUR-ANALYSIS. PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.

WHITEHEAD R : CHEMICAL-ANALYSIS OF ENVIRONMENTAL-POLLUTANTS.

ENVIRONMENTAL-POLLUTION

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

ENVIRONMENTAL-QUALITY

ENVIRONMENTAL-QUALITY

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

WALTON A : MANAGEMENT OF RESEARCH AND RELATED SCIENTIFIC ACTIVITIES IN OCEANOGRAPHY AND ENVIRONMENTAL-QUALITY. POLICY-DEVELOPMENT IN INTERNATIONAL MARINE AFFAIRS.

ENVIRONMENTAL-STRESS

HOFSTRA G : AIR-POLLUTION IMPACT ON PLANTS. AIR-POLLUTION DISEASE INTERACTION. EFFECTS OF ENVIRONMENTAL-STRESS ON PLANTS.

ENZYME

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS. MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS. FERMENTATION OF SUGARS TO ALCOHOLS.

ENZYMES

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS. STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

ENZYMOLOGY

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

EPA

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

EPIDEMIOLOGICAL

MASTROMATTEO DR E : TOXICOLOGICAL AND EPIDEMIOLOGICAL RESEARCH INTO A VARIETY OF OCCUPATIONAL-HEALTH PROBLEMS.

EPIDEMIOLOGY

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH, HEALTH AND SAFETY IN MINING, HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS, AIR-POLLUTION.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

WARREN H V : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

EPURATION

BRIERE M FRANCOIS : EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.

EROSION

COOTE D R : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

SWITZER-HOWSE K D : EVALUATION OF AGRICULTURAL IMPACTS AND REMEDIAL MEASURES ON WATER-QUALITY AND QUANTITY; AGRICULTURAL-MANAGEMENT PRACTICES TO REDUCE SOIL-DEGRADATION; IMPACT OF DRAINAGE AND DRAIN-DESIGN ON EROSION, WATER-QUALITY AND QUANTITY.

EROSION-CONTROL

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

ESTUARIES

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS, ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES, SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES, WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

ESTUARINE

ROFF J C : BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS, CHEMICAL AND PHYSICAL OCEANOGRAPHY.

SCARRATT D J : IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS. SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

ESTUARINE-CHEMISTRY

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

ESTUARINE-ECOLOGY

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

ESTUARINE-POLLUTION

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

ETHYLENE

HARPER D S : EFFECTS OF AIR-POLLUTANTS, SPECIFICALLY GASEOUS AIR-POLLUTANTS, ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.

EUTROPHICATION

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

MINNS CHARLES K : SYSTEMS ANALYSES OF VARIOUS ASPECTS OF FISHERIES AND ENVIRONMENTAL PROBLEMS, INCLUDING POPULATION-DYNAMICS, EUTROPHICATION AND ACID-RAIN.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

EUTROPHISATION

COUTURE PIERRE : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIREE) POUR DETERMINER LA QUALITE DE L'EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE.

EVAPORATION

MORTON F I : SUCCESSFUL RESEARCH ON DEVELOPMENT & VERIFICATION OF A TECHNIQUE THAT PROVIDES RELIABLE OPERATIONAL ESTIMATES OF AREAL EVAPOTRANSPIRATION OR LAKE EVAPORATION FROM ROUTINE CLIMATOLOGICAL OBSERVATIONS IN MANY WIDELY DIFFERING ENVIRONMENTS THROUGHOUT THE WORLD.

ROBERTSON E : ENVIRONMENTAL FLUID-DYNAMICS AS RELATED TO ATMOSPHERIC DISPERSION AND BASIN HYDROLOGY. PARTICULAR INTEREST IN LAKE EVAPORATION AND LAKE MIXING.

EVAPOTRANSPIRATION

MORTON F I : SUCCESSFUL RESEARCH ON DEVELOPMENT & VERIFICATION OF A TECHNIQUE THAT PROVIDES RELIABLE OPERATIONAL ESTIMATES OF AREAL EVAPOTRANSPIRATION OR LAKE EVAPORATION FROM ROUTINE CLIMATOLOGICAL OBSERVATIONS IN MANY WIDELY DIFFERING ENVIRONMENTS THROUGHOUT THE WORLD.

EXHAUST

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

WHYTE R B : GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS; SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.

WONG J K S : RECIPROCATING ENGINES. ALTERNATE-FUELS FOR EXISTING TYPICAL AUTOMOTIVE ENGINES AND EFFECTS OF PHYSICAL-PROPERTIES OF DIESEL-FUEL ON DIESEL-ENGINES PERFORMANCE; INVESTIGATION OF EXHAUST EMISSIONS USING THE NEW FUELS.

EXHAUST-EMISSIONS

SAMPATH P : GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

EXPLORATION

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

EXPLORATION

PARADINE P : ENVIRONMENTAL-ASSESSMENT. PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES. TRANSMISSION-LINES. HIGHWAYS. RAILWAYS. OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION. MINING RESERVES/RESOURCES. TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY. CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION. DEVELOPMENT AND OFFSHORE MINING.

STEVENS GR : STRUCTURAL GEOLOGY. APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

WARREN H V : TRACE-ELEMENTS IN VEGETATION. SOILS. AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT. EPIDEMIOLOGY. AND MINERAL EXPLORATION.

EXPOSURE

GUTHRIE JE DR : GENERAL AND APPLIED ECOLOGY. WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE. AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS.

KICENIUK J W : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

KING M : EXAMINING THE EFFECT OF CIGARETTE-SMOKE EXPOSURE ON VARIOUS ASPECTS OF PULMONARY PATHOPHYSIOLOGY IN DOGS. STUDIES ON THE EFFECT OF SULPHUR-DIOXIDE EXPOSURE IN THE SAME SYSTEM.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE. SULPHUR-DIOXIDE. CIGARETTE-SMOKE). B) DAILY VARIATIONS IN EXPOSURE (INDOOR. OUTDOOR AND PERSONAL MONITORING).

THOMAS M L H : ECOLOGY OF ROCKY. TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

EXTINCTIONS

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

EXTRACTION

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS. NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE. NITRATE AND CYANIDES. AUTOMATED ANALYSIS. ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL. SEDIMENTS.

SMITH A E : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

EXTRACTIVES

SWAN E P : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD. BARK. AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES-IDENTIFICATION.

FABRICATION

BERGERON MICHEL : PREPARER ET EVALUER LES RAPPORTS CONFIDENTIELS EN PROVENANCE DE L'INDUSTRIE CANADIENNE CONCERNANT LA FABRICATION OU/ET L'IMPORTATION DE NOUVEAUX PRODUITS CHIMIQUES EN RELATION AVEC LA SOUS-SECTION 4(6) DE LA LOI CANADIENNE DES CONTAMINANTS DE L'ENVIRONNEMENT ET TRAVAILLER A DES PROJETS SPECIAUX TEL QU'UN DOSSIER D'EVALUATION DES COLORANTS.

ST-LAURENT ANDRE : IMPROVED METHODS OF LUMBER FABRICATION FROM LOGS: WOOD-MACHINING. WOOD-CUTTING. FELLING OF TREES AND WOOD-CUTTING MACHINERY IN GENERAL.

FARM-POLLUTION

PATNI N K : AGRICULTURAL AND RELATED WASTES. FARM-POLLUTION ABATEMENT.

FARM-SOIL

KENG J C W : SOIL-PHYSICS AND SOIL AND WATER-ENGINEERING. FARM-SOIL AND WATER-MANAGEMENT. NUTRIENT MOVEMENT IN SOIL PROFILE AND GROUNDWATER POLLUTIONS.

FARM-WOODLOTS

JORGENSEN ERIK : SILVICULTURE; ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO. SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

FARMLAND

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

FATE

CARTER J A : BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.
CHIBA M DR : PESTICIDE-RESIDUE ANALYSIS: METHOD DEVELOPMENT TO TRACE FATE OF PESTICIDES.
GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.
HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.
KROUSE H R : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.
OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.
PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.
ROBERTS J RUSSELL : ASSESSMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL STANDARDS: PREDICTION OF FATE OF ORGANIC-CHEMICALS IN THE ENVIRONMENT: COORDINATION OF IMPACT AND CRITERIA ASSESSMENTS: MODELS FOR ACCUMULATION OF ORGANIC-CHEMICALS.
SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.
STRACHAN W M J : INVESTIGATION OF PERSISTENT ORGANIC-CHEMICALS IN THE AQUATIC-ENVIRONMENT ESPECIALLY THEIR FATE AND DISTRIBUTION.
SUNDARAM K M S : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.
WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.
WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

FATE-TRANSPORT

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS. SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

FAUNA

DERMOTT R : INVERTEBRATE-ECOLOGY, TAXONOMY OF GREAT-LAKES BOTTOM FAUNA.

GRAINGER E H : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY; BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SMITH T D : EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.

FAUNE

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

FEARO

FEDERAL ENVIRONMENTAL ASSESSMENT : FEARO ADMINISTERS THE FEDERAL ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCESS FOR DETERMINING THE ENVIRONMENTAL ACCEPTABILITY OF PLANS INVOLVING THE GOVERNMENT THROUGH FUNDS OR LANDS. DEPARTMENTS DO INITIAL ASSESSMENTS. PROPOSALS WITH SIGNIFICANT POTENTIAL IMPACTS ARE REVIEWED PUBLICLY BY INDEPENDENT PANEL PANELS, WHOSE SECRETARIATS, AND USUALLY CHAIRMEN, ARE FEARO STAFF.

SADAR MH : SCIENTIFIC ADVISOR TO FEARO AND THE SECRETARIAT OF ENVIRONMENTAL-ASSESSMENT-PANELS. MEMBER FEARO RESEARCH MANAGEMENT TEAM, MANAGER OF ENVIRONMENTAL-ASSESSMENT RESEARCH ADVISORY COMMITTEE (EARAC) SECRETARIAT, SCIENTIFIC AUTHORITY AND PROJECT MANAGER OF FEARO RESEARCH PROJECTS.

FEDERAL

FEDERAL ENVIRONMENTAL ASSESSMENT : FEARO ADMINISTERS THE FEDERAL ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCESS FOR DETERMINING THE ENVIRONMENTAL ACCEPTABILITY OF PLANS INVOLVING THE GOVERNMENT THROUGH FUNDS OR LANDS. DEPARTMENTS DO INITIAL ASSESSMENTS. PROPOSALS WITH SIGNIFICANT POTENTIAL IMPACTS ARE REVIEWED PUBLICLY BY INDEPENDENT PANEL PANELS, WHOSE SECRETARIATS, AND USUALLY CHAIRMEN, ARE FEARO STAFF.

MCCUAIG J D : LAND-USE PLANNING; GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS; LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

FEDERAL-GOVERNMENT

BOND W K : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL-GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND-RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

CHAPPELL M S : CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

FEDERAL/PROVINCIAL

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

FEED

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

FEED-STOCK

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

FEEDING

FENTON M B : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION. SOCIAL INTERACTIONS; FEEDING. CONTROL; COMMUNICATION; ULTRASONICS.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

THOMAS DW : ECOLOGY AND BEHAVIOUR OF CHIROPTERA. COMMUNITY STRUCTURE. FEEDING. FRUGIVORY. SEED-DISPERSAL. ENERGETICS. MANAGEMENT.

FEEDS

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

FELLING

ST-LAURENT ANDRE : IMPROVED METHODS OF LUMBER FABRICATION FROM LOGS: WOOD-MACHINING. WOOD-CUTTING. FELLING OF TREES AND WOOD-CUTTING MACHINERY IN GENERAL.

FERMENTATION

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION. GROWTH. AND OXYGEN SENSITIVITY OF MICROORGANISMS.

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE. GRAPE-SEEDS. SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS. FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS. MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS. FERMENTATION OF SUGARS TO ALCOHOLS.

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

FERMENTATIONS

TOWNSLEY P M : INDUSTRIAL FERMENTATIONS. BIOTECHNOLOGY. WASTE: HIGH TEMPERATURE PROCESSING. MUSHROOMS.

FERTILIZATION

SEGARAN S : SEED-ORCHARD ESTABLISHMENT. PROVENANCE AND PROGENY TRIALS. VEGETATIVE PROPAGATION. FOREST-GENETICS. FOREST BIOMETRICS. FOREST MENSURATIONS. MULTIPLE REGRESSION TECHNIQUES. VOLUME-TABLES. EXPERIMENTAL DESIGNS. FERTILIZATION FORMULATIONS. GREENHOUSE MANAGEMENT.

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION. SOILS. SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK. PLANTING METHOD. SPECIES MIXTURES. SPACING. WEED-CONTROL. FERTILIZATION. PRUNING. THINNING. GROWTH AND YIELD.

FERTILIZER

BOLE J B : WASTEWATER-IRRIGATION. FERTILIZER USE EFFICIENCY.

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

MACKENZIE A F : LAND-USE AND WATER-QUALITY; FERTILIZER USE AND ENVIRONMENTAL EFFECTS; MANURE AS A FERTILIZER AND SUBSEQUENT ENVIRONMENT HAZARDS AND BENEFITS.

TIMBRES DH : ENVIRONMENTAL COORDINATOR OF METALS REFINING AND FERTILIZER COMPLEX.

FERTILIZER

WAYGOOD E R : MASS CULTURE OF EUGLENA GRACILIS ON ANIMAL-WASTES FOR THE PURIFICATION OF WATER AND THE PRODUCTION OF SCP OR FERTILIZER.

FERTILIZERS

BAILEY LD : RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

FIELD-EXPLORATION

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS. FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS. CHANNEL STABILITY. STREAM HYDROLOGY. DRAINAGE-BASIN EXPLORATION.

FIELD-SAMPLING

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

FIELD-SHELTERS

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

FILTRATION

NARASIAH S : WATER AND WASTEWATER-TREATMENT. AERATED LAGOONS. COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS. PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

FINFISH

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

FINGERLINGS

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

FIRE

MEHKERI K A : MEASUREMENT OF TOXIC-ELEMENTS AND TOXIC-GASES FROM VARIOUS CONSUMER PRODUCTS AND AS THE PRODUCTS OF COMBUSTION IN FIELD OF FIRE AND FLAMMABILITY.

PAUL PM : INVOLVEMENT WITH THE REVISION OF THE CANADIAN FOREST FIRE DANGER-RATING SYSTEM (CFFDRS).

POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

STRANG R M DR : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.

WEIN R W : RESEARCH INTERESTS INCLUDE USE OF FIRE IN RANGE, AGRICULTURE AND FORESTRY AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

FIRE-ASSAYING

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION. GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

FIRE-HISTORY

SUFFLING RC : BOREAL-FOREST ECOLOGY. QUANTITATIVE ANALYSIS OF LANDSCAPES. FIRE-HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION-MANAGEMENT.

FIRE-PROTECTION

HEINKE G W : PHYSICAL/CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. FIRE-PROTECTION STUDIES.

FIREARM

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION. POLICY AND PROGRAM DEVELOPMENT. RESEARCH AND TECHNOLOGICAL TRANSFER. LEGISLATION. ENFORCEMENT. USER TRAINING (FIREARM SAFETY. HUMANE TRAP-DEVELOPMENT. TEACHING. NATURALIST TRAINING). ORGANIZATIONAL STRATEGIES. COMMUNICATION WITH PUBLIC.

FISH

AYLES GB : RESEARCH ON GENETICS OF FISH. FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

BROUGHTON ERIC R : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES. SPECIFICALLY FISH CULTURE. AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

DERKSEN A J : FISHERIES-BIOLOGY, ENVIRONMENTAL FACTORS AFFECTING FISH. FISH-HABITAT PROTECTION. WATER-QUALITY ASPECTS IN GENERAL. MERCURY IN FISH.

DOUBLEDAY W G : POPULATION-DYNAMICS AND MANAGEMENT OF MARINE FISH AND MARINE MAMMALS.

FREEMAN HARRY C : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

GILBERTSON M : CHEMICALLY-INDUCED DISEASES IN WILDLIFE AND FISH. REGULATION OF CHEMICALS.

HARVEY H H : KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION. FISH RESPONSES. BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT. RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH. PLANNING AND MANAGEMENT.

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH. AQUATIC INVERTEBRATE. SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH. SWIMMING. OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE. SIZE OF FISH. CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

MACKAY W C : ENVIRONMENTAL PHYSIOLOGY OF FISH. PARTICULARLY THE ENERGETICS OF TEMPERATE FRESHWATER FISH. RELATIONSHIP BETWEEN LATITUDE AND GROWTH RATE. ENVIRONMENTAL FACTORS WHICH AFFECT BODY AND GONAD-GROWTH.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM). OIL. OIL DISPERSANTS. PESTICIDES. ACID-PRECIPITATION.

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY. ESPECIALLY ON KIDNEY. LIVER. AND MUSCLE OF MAMMALS AND FISH.

RANDALL D J : RESPIRATION AND CIRCULATION OF LOWER VERTEBRATES PARTICULARLY FISH. EDITOR OF "FISH PHYSIOLOGY".

FISH

REGIER H A : REHABILITATION OF DEGRADED AQUATIC ECOSYSTEMS ESPECIALLY WITH RESPECT TO PRODUCTION OF VALUED FISH SPECIES, ASSESSMENT AND MANAGEMENT OF WILD FISHERY RESOURCES; ALL OF THE ABOVE IN AN INTERDISCIPLINARY CONTEXT.

RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

FISH-COMMUNITY

HARVEY H H : KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION, FISH RESPONSES, BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.

FISH-HABITAT

BOYD F C : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT ASSESSMENTS; MULTIPLE-USE-PLANNING AND POLICY DEVELOPMENT.

DERKSEN A J : FISHERIES-BIOLOGY, ENVIRONMENTAL FACTORS AFFECTING FISH, FISH-HABITAT PROTECTION, WATER-QUALITY ASPECTS IN GENERAL, MERCURY IN FISH.

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE.

SCARRATT D J : IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS.

SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

WISEMAN R J : RESEARCH MANAGEMENT AND ADMINISTRATION WITH EXPERIENCE IN ENVIRONMENTAL-ASSESSMENT, FISH-HABITAT RESEARCH, AND FRESHWATER ECOLOGY AND FISHERIES-BIOLOGY.

FISH-HATCHERIES

BIRKBECK A E : INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT. WATER-RECIRCULATION (EG. FISH-HATCHERIES). LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.

FISH-KILLS

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

FISH-POISONING

TAYLOR F J R : ECOLOGY OF BRITISH-COLUMBIA AND TROPICAL PHYTOPLANKTON. RED-TIDES. CIGUATERA FISH-POISONING. DINOFLAGELLATES.

FISH-POPULATIONS

COLBY P J : RESPONSE OF FISH-POPULATIONS (PRIMARILY WALLEYE) AND COMMUNITIES TO PERTURBATIONS.

KELSO JOHN R M : EFFECTS OF ATMOSPHERIC-DEPOSITION ON FISHERIES-RESOURCES EFFECTS OF CONTAMINANTS ON FISH-POPULATIONS (BODY BURDENS, BEHAVIOUR).

SWANSON S M : RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES, AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

FISH-POPULATIONS

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

FISH-PRODUCTION

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

FISH-REPRODUCTION

SUTTERLIN A M : AQUACULTURE; FISHERIES; FISH-REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.

FISH-STOCK

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

FISH-STOCKS

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

FISH-TAINTING

FINDLAY D M : ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION, FISH-TOXICITY, EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

FISHERIES

AKENHEAD S A : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT, ECOLOGICAL MODELLING, HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.

ANDERSON J M : FISHERIES RESEARCH AND DEVELOPMENT, IN PARTICULAR THE FIELDS OF AQUACULTURE AND SALMONID ENHANCEMENT STRATEGIES; EDUCATION AND TRAINING A SPECIALTY.

ATTON F M : LIMNOLOGY; APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BERKES DR F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

BIDGOOD FB DR : FRESHWATER FISHERIES BIOLOGY, POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES, MANIPULATION OF ECOSYSTEMS.

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

MINNS CHARLES K : SYSTEMS ANALYSES OF VARIOUS ASPECTS OF FISHERIES AND ENVIRONMENTAL PROBLEMS, INCLUDING POPULATION-DYNAMICS, EUTROPHICATION AND ACID-RAIN.

NEAME P A : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

FISHERIES

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.
PARSONS T R : MARINE-POLLUTION; FISHERIES; EXPERIMENTAL ECOSYSTEMS; RESEARCH; NUTRIENT-CYCLING; UNIVERSITY TEACHING.
PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.
REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.
RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.
RYDER R A : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.
SAWCHYN W W : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.
SCARRATT D J : IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS.
SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.
SUTTERLIN A M : AQUACULTURE; FISHERIES; FISH-REPRODUCTION, BEHAVIOUR AND PHYSIOLOGY.
WILSON DAVID RJ : PREPARATION OF DESIGN AND OPERATING GUIDELINES FOR AQUACULTURAL-SYSTEMS FOR WARM AND COLD WATER SPECIES, INCLUDING RECIRCULATING FACILITIES. ASSESSMENT OF FISHERIES AND AQUATIC ASPECTS IN E.I.A.

FISHERIES-BIOLOGY

DERKSEN A J : FISHERIES-BIOLOGY, ENVIRONMENTAL FACTORS AFFECTING FISH, FISH-HABITAT PROTECTION, WATER-QUALITY ASPECTS IN GENERAL, MERCURY IN FISH.
MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.
WISEMAN R J : RESEARCH MANAGEMENT AND ADMINISTRATION WITH EXPERIENCE IN ENVIRONMENTAL-ASSESSMENT, FISH-HABITAT RESEARCH, AND FRESHWATER ECOLOGY AND FISHERIES-BIOLOGY.

FISHERIES-MANAGEMENT

AKENHEAD S A : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT, ECOLOGICAL MODELLING, HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.
SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

FISHES

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.
BELL GORDON R : IDENTIFICATION, CHARACTERIZATION, PREVENTION CONTROL OR THERAPY OF INFECTIOUS DISEASES OF COMMERCIALLY IMPORTANT FISHES, PARTICULARLY SALMON.
BIDGOOD FB DR : FRESHWATER FISHERIES BIOLOGY, POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.
CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.
DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER, STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).
HARVEY H H : KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION, FISH RESPONSES, BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.
HOUSTON A H : PHYSIOLOGICAL ECOLOGY OF FISHES: RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY.
KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES, INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.
MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.
NURSALL J R : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC-POLICY; WASTE-MANAGEMENT.

FISHES

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES. ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

FLAMMABILITY

MEHKERI K A : MEASUREMENT OF TOXIC-ELEMENTS AND TOXIC-GASES FROM VARIOUS CONSUMER PRODUCTS AND AS THE PRODUCTS OF COMBUSTION IN FIELD OF FIRE AND FLAMMABILITY.

FLIES

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL-DIVISION.

SHEMANCHUK J A : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

FLOOD-FREQUENCY

PILON PAUL J : STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

FLOODING

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.

FLOODPLAIN

MITCHELL WB : RIVER-BASIN MANAGEMENT, FLOODPLAIN REGULATION; PUBLIC-PARTICIPATION; POLICY AND PROGRAM EVALUATION; INSTITUTIONAL ARRANGEMENTS.

FLOODS

YOUNG G J : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING

FLORA

HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA)

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES. ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION, PEATLAND BIOLOGY. FLORA FAUNA SURVEYS.

FLOW-CONTROL

LEE HENRY : ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

FLOW-SYSTEMS

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

FLOW-SYSTEMS

KILLEY RWD : BOTH PHYSICAL AND CHEMICAL ASPECTS OF THE MOVEMENT/RETARDATION OF CONTAMINANTS IN GROUNDWATER FLOW-SYSTEMS IN UNCONSOLIDATED SEDIMENTS.

FLUE-DUST

CORNWALL B : FLUE-DUST SAMPLING. METEOROLOGY.

FLUE-GAS

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

FLUID-DYNAMICS

ROBERTSON E : ENVIRONMENTAL FLUID-DYNAMICS AS RELATED TO ATMOSPHERIC DISPERSION AND BASIN HYDROLOGY. PARTICULAR INTEREST IN LAKE EVAPORATION AND LAKE MIXING.

FLUIDS

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.
MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.
MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER MILK.
STEPPUHN H : SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

FLUORESCENCE

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.
KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.
SEMELUK G P : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.
UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

FLUORIDE

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.
KRAINTZ L : LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.
STEVENSON L S : MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

FLUORIDES

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

FLUORIMETRY

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

FLUOROCARBONS

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

FLY-ASH

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION. PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION. VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY. COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

FOAMS

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS. MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS. FERMENTATION OF SUGARS TO ALCOHOLS.

FOOD

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

MOORE R L : MICROBIOLOGICAL-ASSAYS FOR ENVIRONMENTAL MONITORING. FOOD AND WATER MICROBIOLOGY.

RAO A V : NUTRITIONAL TOXICOLOGY. ENVIRONMENTAL CONTAMINATION OF FOOD. EXPERTISE IN THE AREA OF FOOD SCIENCE, NUTRITION AND TOXICOLOGY.

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

SIMARD R M : SPECIALIZATION IN PESTICIDE-RESIDUES. ANALYSIS OF FOOD.

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

VEEMAN T S : WATER-RESOURCES POLICY. LAND-USE POLICY. WORLD FOOD PROBLEM. ENVIRONMENTAL AND RESOURCE ECONOMICS.

FOOD-ADDITIVES

PLATONOW N : TOXICOLOGICAL-EVALUATION OF FOOD-ADDITIVES, PESTICIDES AND CONTAMINANTS. TOXICOLOGIST IN AREA OF FOOD-PRODUCING DOMESTIC ANIMALS.

FOOD-BORNE

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

FOOD-CHAIN

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

FOOD-CHAINS

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

SWANSON S M : RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES, AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

FOOD-CHEMICALS

KHERA K S : ASSESSMENT OF TERATOGENIC AND REPRODUCTIVE RISKS OF ENVIRONMENTAL AND FOOD-CHEMICALS FROM ANIMAL DATA.

FOOD-CHEMISTRY

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

FOOD-PROCESSING

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

MCEWEN T J : FOOD-PROCESSING TECHNOLOGY, FOOD-WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

SCOTT P M : RESEARCH ON MYCOTOXINS, PRIMARILY ON ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS, AND ISOLATION FROM FUNGI. CURRENT INTERESTS INCLUDE DEOXYNIVALENAL (VOMITOXIN) AND OTHER TRICHOTHECENES FROM FUSARIUM SPECIES.

FOOD-WASTE

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

MCEWEN T J : FOOD-PROCESSING TECHNOLOGY, FOOD-WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

FOOD-WEB

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

FOOD-WEBS

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

FOODLANDS

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

FOODS

CURRIE ROBERT A : MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

FOODS

SHAH B G : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES. BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL, CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

FORECASTING

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.

CHAMP DH : DIRECTOR OF ICE BRANCH; MANAGE OPERATIONAL ICE INFORMATION SERVICE PROGRAM: DATA, ANALYSIS, FORECASTING, CONSULTING ON APPLICATIONS, RESEARCH TO SUPPORT SERVICE.

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES; TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE; NUMERICAL WAVE FORECASTING; MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

FORECASTING-MODELS

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

FOREST

BAYLY ISABEL DR : DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS; WATER-QUALITY. ACID-PRECIPITATION EFFECTS ON FOREST SEEDLINGS.

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

FORSTER AB : FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

HADDON B D : FOREST RESOURCE STATISTICS, PARTICULARLY SILVICULTURAL TREATMENTS.

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY-INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE, (CMEA).

HOPKINS JOHN C : IDENTIFICATION AND STUDIES ON FOREST PATHOGENS AND THEIR CONTROL WITH EMPHASIS ON CANKER-FUNGI AND COLD-STORAGE FUNGI.

HOPWOOD WA : INVENTORY OF FOREST BIOMASS. PUBLICATIONS ON: ENFOR BIOMASS ESTIMATION PROJECTS; COORDINATION OF BIOMASS ESTIMATION IN CANADA; AND CANADA'S FOREST BIOMASS INVENTORY - 1984.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

MATHUR V N P : EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

FOREST

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

MORGENSTERN E K : FOREST-GENETICS, FOREST TREE-BREEDING, POPULATION-GENETICS, SILVICULTURE.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MOSS A : MY FIRM HAS CONCENTRATED ON RESEARCH AND DEVELOPMENT OF MECHANICAL FOREST TREE SEEDLING-PLANTING-MACHINES AND OTHER MECHANIZED SILVICULTURAL EQUIPMENT. SPECIAL STUDY OF ASPEN.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

PAUL PM : INVOLVEMENT WITH THE REVISION OF THE CANADIAN FOREST FIRE DANGER-RATING SYSTEM (CFFDRS).

PEARCE P A : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY.

POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

STRANG R M DR : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

FOREST-BIOMASS

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

FOREST-COVER

DAUGHERTY DA : INFLUENCE OF FOREST-COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER.

FOREST-DEPLETION

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

FOREST-DEPLETION

FOREST-ECOLOGY

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

DUINKER P N : RESEARCH AND EXPERTISE IN FOREST-ECOLOGY, AND SCIENCE-BASED APPROACHES TO ENVIRONMENTAL-IMPACT-ASSESSMENT.

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

FOREST-ECONOMICS

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

FOREST-ERGONOMICS

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.

FOREST-FERTILIZATION

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

FOREST-FIRE

STECHISHEN E : USE AND EFFECTIVENESS OF FOREST-FIRE RETARDANTS; USE OF AIR-TANKERS AND THEIR EFFECTIVENESS IN FOREST-FIRE SUPPRESSION.

FOREST-GENETICS

MORGENSTERN E K : FOREST-GENETICS, FOREST TREE-BREEDING, POPULATION-GENETICS, SILVICULTURE.

MURRAY G : FOREST-GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

FOREST-HARVESTING

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

FOREST-INSECT

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

FOREST-INSECTS

WONG H R : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA: SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE ARCTIC AND PALAEARCTIC SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

FOREST-MANAGEMENT

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.
BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.
BOWEN MURRAY G : COLLECTING, EVALUATING, ANALYZING AND REPORTING INFORMATION ON FOREST-RESOURCES OF CANADA AND THE USA AND REST OF THE COUNTRIES OF THE WORLD THAT HAVE SIGNIFICANT FOREST-RESOURCES AND/OR FOREST-MANAGEMENT PRACTICES AND THEIR TRADE IN FOREST-PRODUCTS.
DROUIN JAMES A : DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.
GAGNON D PROF : VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.
KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.
NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.
PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".
POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.
ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

FOREST-PATHOLOGY

CARLSON LW : DIRECTOR OF FOREST-RESEARCH AND DEVELOPMENT. SILVICULTURE AND FOREST-PATHOLOGY.
FUNK A : FOREST-PATHOLOGY AND FOREST-MYCOLOGY.

FOREST-PROTECTION

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

FORESTIER

BOULIANE P : STATION FORESTIERE POUR L'ENSEIGNEMENT UNIVERSITAIRE ET SUPPORT A DES ACTIVITES DE RECHERCHES. REALISATION D'UN PROGRAMME D'AMENAGEMENT FORESTIER POLYVALENT. EDUCATION-POPULAIRE SUR LA FORET.
JOBIN LUC J : PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.

FORESTIERE

BOULIANE P : STATION FORESTIERE POUR L'ENSEIGNEMENT UNIVERSITAIRE ET SUPPORT A DES ACTIVITES DE RECHERCHES. REALISATION D'UN PROGRAMME D'AMENAGEMENT FORESTIER POLYVALENT. EDUCATION-POPULAIRE SUR LA FORET.
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FORESTRY

FORSTER AB : FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

LINZON S N : EFFECTS OF AIR-POLLUTION ON SOILS, CROPS, AND FORESTRY (INCLUDES SO2, F, O3, ACID-RAIN, ETC.).

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

MEAD DOUGLAS A DR : RESOURCE-PLANNING; DATA-QUALITY ASSESSMENT. FORESTRY.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

STENEKER G A : GENERAL KNOWLEDGE ON CANADIAN FORESTRY SECTOR. KNOWLEDGE OF INTERNATIONAL FORESTRY ORGANIZATIONS AND BILATERAL RELATIONS IN FORESTRY BETWEEN CANADA AND OTHER COUNTRIES.

SUTTON ROY F : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION-SILVICULTURE) IN THE BOREAL-FOREST; ALSO SCIENTIFIC/TECHNICAL EDITING.

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

WEIN R W : RESEARCH INTERESTS INCLUDE USE OF FIRE IN RANGE, AGRICULTURE AND FORESTRY AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

FORESTRY-ENERGY

SILVERSIDES CR : TIMBER-HARVESTING (ENVIRONMENTAL-IMPACT) SHORT ROTATION FORESTRY-ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

FORESTRY-INSTITUTIONS

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY-INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE, (CMEA).

FORESTRY-MANAGEMENT

BOYLE A R : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC-INFORMATION SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FORESTRY-MANAGEMENT.

FORESTRY-PRACTICES

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

FORESTRY-RESEARCH

FRASER D A : USE OF RADIATION AND RADIOISOTOPES IN FORESTRY-RESEARCH.

FORESTS

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

FORET

BOULIANE P : STATION FORESTIERE POUR L'ENSEIGNEMENT UNIVERSITAIRE ET SUPPORT A DES ACTIVITES DE RECHERCHES. REALISATION D'UN PROGRAMME D'AMENAGEMENT FORESTIER POLYVALENT. EDUCATION-POPULAIRE SUR LA FORET.

FORETS

LACHANCE DENIS : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

FORMALDEHYDE

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

FOSSIL-FUELS

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING, POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

FOX

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

FRESHWATER

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS: MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BIDGOOD FB DR : FRESHWATER FISHERIES BIOLOGY, POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.

FRESHWATER

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

DORE DR W G : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE.

MACKAY W C : ENVIRONMENTAL PHYSIOLOGY OF FISH, PARTICULARLY THE ENERGETICS OF TEMPERATE FRESHWATER FISH. RELATIONSHIP BETWEEN LATITUDE AND GROWTH RATE. ENVIRONMENTAL FACTORS WHICH AFFECT BODY AND GONAD-GROWTH.

MARSHALL K ERIC : INFORMATION-RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER).

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

OLIVER D R : TRAINED IN FRESHWATER BIOLOGY. CURRENT RESEARCH ON CHIRONOMIDAE (A GROUP OF PRIMARILY FRESHWATER INSECTS), MAINLY SYSTEMATICS BUT ALSO ECOLOGY, LIFE-HISTORY AND EVOLUTION.

PAGE J A : TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.

ROFF J C : BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS, CHEMICAL AND PHYSICAL OCEANOGRAPHY.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC-ECOLOGY.

RYDER R A : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

STEIN JANET R : SYSTEMATICS, ECOLOGY AND PHYTOGEOGRAPHY OF FRESHWATER ALGAE, WITH EMPHASIS ON THE GREEN ALGAE; PARTICULAR INTERESTS INVOLVE ALGAE OF BRITISH-COLUMBIA AND WESTERN NORTH AMERICA.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

WISEMAN R J : RESEARCH MANAGEMENT AND ADMINISTRATION WITH EXPERIENCE IN ENVIRONMENTAL-ASSESSMENT, FISH-HABITAT RESEARCH, AND FRESHWATER ECOLOGY AND FISHERIES-BIOLOGY.

YAN N D : INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.

FRESHWATER-ECOLOGY

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

FRESHWATER-SYSTEMS

DAVIS A R : EXPERTISE IN THE FIELD OF WATER-QUALITY MANAGEMENT, ESPECIALLY IN WATER-QUALITY OBJECTIVES AND STANDARDS CHEMISTRY OF FRESHWATER-SYSTEMS.

FRESHWATERS

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY. EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

FROID

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

FRUIT

PREE D J : INSECTICIDE TOXICOLOGY. PEST-MANAGEMENT. RESISTANCE STUDIES WITH TREE FRUIT INSECTS.

FRUIT-CROPS

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

FRUITIERES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

FRUITLAND

BOND W K : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL-GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND-RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

FUEL

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.
FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.
JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.
YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

FUEL-FIRED

BAMBROUGH HA : CONTROL TECHNOLOGY FOR EMISSIONS TO ATMOSPHERE FROM FOSSIL FUEL-FIRED ELECTRICITY GENERATING UNITS, STEAM AND GAS TURBINE-DRIVEN.

FUELS

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

FUELS

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

SAMPATH P : GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

FUELWOOD

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

FUMES

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

FUNGAL

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

FUNGI

BURPEE LL : PLANT-PATHOLOGY; BIOLOGY AND CONTROL OF SOIL-BORNE PATHOGENIC FUNGI ON WHEAT AND TURFGRASSES.

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

SCOTT P M : RESEARCH ON MYCOTOXINS, PRIMARILY ON ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS, AND ISOLATION FROM FUNGI. CURRENT INTERESTS INCLUDE DEOXYNIVALENAL (VOMITOXIN) AND OTHER TRICHOTHECENES FROM FUSARIUM SPECIES.

TYRRELL DAVID : BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.

FUNGI

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.
WHITNEY R D : DAMAGE-APPRAISAL, CAUSAL FUNGI, SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS-TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS.
YOUNG JC : RESEARCH IN THE INCIDENCE, NATURE, CAUSES AND CONSEQUENCES OF MYCOTOXIN RELATED PROBLEMS CAUSED BY FUNGI.

FURANS

SAKUMA T : APPLICATIONS OF TANDEM MASS-SPECTROMETRY FOR RAPID SCREENING OF POLYCHLORINATED DIBENZODIOXINS AND FURANS IN VARIOUS ENVIRONMENTAL MATRICES.

GAS

AFGHAN B K : ANALYTICAL CHEMIST WITH RESEARCH AND OPERATIONAL EXPERIENCE IN MODERN VOLTAMMETRIC AND ELECTROANALYTICAL TECHNIQUES, HIGH SPEED LIQUID CHROMATOGRAPHY, HIGH RESOLUTION GAS CHROMATOGRAPHY, ATOMIC AND MOLECULAR ADSORPTION AND LUMINESCENCE TECHNIQUES.
BAMBROUGH HA : CONTROL TECHNOLOGY FOR EMISSIONS TO ATMOSPHERE FROM FOSSIL FUEL-FIRED ELECTRICITY GENERATING UNITS, STEAM AND GAS TURBINE-DRIVEN.
BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.
CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.
DRAPER D W : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR-POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.
FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.
KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.
LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.
LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.
NANTEL J : RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.
PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.
RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND OFFSHORE MINING.
SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.
SLATER G P : DETERMINATION OF ORGANIC-COMPOUNDS IN WATER USING CAPILLARY GAS CHROMATOGRAPHY MASS-SPECTROMETRY.
WHYTE R B : GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS; SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.
WILSON D J . RISK-ASSESSMENT; GAS BLOWOUTS; PIPELINES.

GAS-CHROMATOGRAPHY

GAS-CHROMATOGRAPHY

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

GAS-FILTRATION

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

GAS-FLOW-SYSTEM

MCKENNEY D J : THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS-FLOW-SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

GAS-PROCESSING

MEISEN A : ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.

GAS-TURBINE

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

SAMPATH P : GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

GASES

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING-MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS AND HPLC.

GASIFICATION

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

GASOLINE

WHYTE R B : GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS; SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.

GAZ

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

GAZEUSE

LACOURSIERE JP : CHEF DE SERVICE SANTE, SECURITE ET ENVIRONNEMENT. ELIMINATION DES SULFURES PAR OXYDATION CATALYTIQUE EN PHASE GAZEUSE COMPTE RENDU AWTR/FACE 1983.

GC-MS

NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GC-MS.

GC/MS/COMPUTER

LAO ROBERT C : CHIEF OF THE DIVISION. TRACE-ORGANIC-ANALYSIS. GC/MS/COMPUTER SYSTEM. CHEMICAL AND PHYSICAL MEASUREMENTS OF POLLUTANTS.

GC/MS/MS

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

GEMS/WATER

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

GENERATING-STATIONS

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

GENETIC

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY: DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION-MONITORING.

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

GENETIC-DEFECTS

KALOW W : METABOLISM OF DRUGS AND CHEMICALS IN MAN; PERSON-TO-PERSON VARIATION IN THE METABOLIZING CAPACITY; GENETIC-DEFECTS OF METABOLISM AND ITS CONSEQUENCES.

GENETICIST

MCKENZIE R I H : OAT-BREEDER AND GENETICIST. THE DEVELOPMENT OF BETTER AND MORE DISEASE-RESISTANT OATS FOR THE EASTERN CANADIAN PRAIRIES.

GENETICS

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

GORDON A G : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS: THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

MANKIEWICZ E : MYCOBACTERIA: GENETICS, IMMUNOLOGY-PHAGES INFECTIOUS-DISEASES.

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

GENIE

LABONTE ROGER : ASSAINISSEMENT DES EAUX-USEES AU MOYEN DE TECHNOLOGIES DOUCES TELLES QUE LE LAGUNAGE ET LES TOURBIERES CONCEPTION ASSISTEE A L'ORDINATEUR DES STATIONS D'EPURATION DES EAUX-USEES. FORMATION PROFESSIONNELLE DANS LE DOMAINE DU GENIE DE L'ENVIRONNEMENT.

GEO-INFORMATION

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

GEOCHEMICAL

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

MOLTYANER GL : HYDROGEOLOGICAL, GEOCHEMICAL, AND MATHEMATICAL ASPECTS OF CONTAMINANT-TRANSPORT FROM WASTE-DISPOSAL SITES.

GEOCHEMISTRY

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

BOYLE R W : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

GEOCHEMISTRY

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE: MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY, PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES, RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KRAMER J R : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL-SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

GEOGRAPHIC

CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS, GRAPHIC PRESENTATION OF ENVIRONMENTAL DATA, LAND-RESOURCE DATA-SYSTEMS.

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

GEOGRAPHIC-INFORMATION

BOYLE A R : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC-INFORMATION SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FORESTRY-MANAGEMENT.

GEOGRAPHY

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH, URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

MCCUAIG J D : LAND-USE PLANNING; GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS; LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

GEOLOGIC

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

GEOLOGICAL

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

STEVENS GR : STRUCTURAL GEOLOGY, APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

GEOLOGICAL-TESTING

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

GEOLOGY

CAMERON DR B : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER-ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.

GEOLOGY

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

STEVENS GR : STRUCTURAL GEOLOGY. APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

GEOTHERMAL-HEAT

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

GESTION

BRIERE M FRANCOIS : EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.

COUILLARD DENIS : CARACTERISTIQUES DES EAUX-USEES. MODELES EN RIVIERES. TRAITEMENTS-DES-EAUX USEES. PLANIFICATION ET GESTION DES EAUX-USEES. EVALUATION DES IMPACTS.

INRS-EAU : FAISANT APPEL A DES EQUIPES DE RECHERCHE MULTIDISCIPLINAIRES, L'INRS-EAU REGROUPE SES TRAVAUX A L'INTERIEUR DE QUATRE PROGRAMMES DISTINCTS, A SAVOIR: HYDROLOGIE, ASSAINISSEMENT, DYNAMIQUE CHIMIQUE ET BIOLOGIQUE DU MILIEU, ET GESTION ET AMENAGEMENT DE LA RESSOURCE EAU.

GLACIERS

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

YOUNG G J : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

GLACIOLOGY

LENNOX DH : HYDROGEOLOGY. SURFACE-WATER MODELLING. GLACIOLOGY. SNOW-AND-ICE PHENOMENA.

GLOBAL

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

GONAD-GROWTH

MACKAY W C : ENVIRONMENTAL PHYSIOLOGY OF FISH, PARTICULARLY THE ENERGETICS OF TEMPERATE FRESHWATER FISH. RELATIONSHIP BETWEEN LATITUDE AND GROWTH RATE. ENVIRONMENTAL FACTORS WHICH AFFECT BODY AND GONAD-GROWTH.

GOVERNMENT

GOVERNMENT

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

FEDERAL ENVIRONMENTAL ASSESSMENT : FEARO ADMINISTERS THE FEDERAL ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCESS FOR DETERMINING THE ENVIRONMENTAL ACCEPTABILITY OF PLANS INVOLVING THE GOVERNMENT THROUGH FUNDS OR LANDS. DEPARTMENTS DO INITIAL ASSESSMENTS. PROPOSALS WITH SIGNIFICANT POTENTIAL IMPACTS ARE REVIEWED PUBLICLY BY INDEPENDENT PANEL PANELS, WHOSE SECRETARIATS, AND USUALLY CHAIRMEN, ARE FEARO STAFF.

RICH GS : LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

ROWLES CHARLES A : SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

SCHWASS R D : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

GOVERNMENT/INDUSTRY

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

GOVERNMENTAL

SMITH DS : SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

GOVERNMENTS

POLLUTION PROBE FOUNDATION : THE POLLUTION-PROBE-FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENTS TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

GRAIN

DOLINSKI G : STORED GRAIN INSECTS, TOXICITY OF INSECTICIDES TO HONEY-BEES, LEAF CUTTER BEE-MANAGEMENT, FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

GRAIN-SITE

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

GRAPE

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

GRASSES

HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

GRASSLAND

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

GREAT-LAKES

DERMOTT R : INVERTEBRATE-ECOLOGY, TAXONOMY OF GREAT-LAKES BOTTOM FAUNA.

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEMS IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL-SCIENTISTS.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

SANDERSON MARIE E : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER-BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

WESELOH DV : LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

GREENHOUSE

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

MCCLANAHAN R J : BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES: REVISION OF CONTROL RECOMMENDATIONS.

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

GROUND-POLLUTION

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

GROUND-TRUTHING

SENYK JOHN P : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

GROUNDBEETLES

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

GROUNDFISH

KOHLER CARL : GROUNDFISH BIOLOGY, LIFE HISTORY AND SURVEYS, ICHTHYOPLANKTON SURVEYS IN THE GULF OF ST-LAWRENCE AND ON THE SCOTIAN SHELF.

SCOTT J S : GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE. ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

GROUNDWATER

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY, PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES. RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

GARRATT D G : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.

HUGHES GM : GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.

KENG J C W : SOIL-PHYSICS AND SOIL AND WATER-ENGINEERING. FARM-SOIL AND WATER-MANAGEMENT. NUTRIENT MOVEMENT IN SOIL PROFILE AND GROUNDWATER POLLUTIONS.

KILLEY RWD : BOTH PHYSICAL AND CHEMICAL ASPECTS OF THE MOVEMENT/RETARDATION OF CONTAMINANTS IN GROUNDWATER FLOW-SYSTEMS IN UNCONSOLIDATED SEDIMENTS.

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS. IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES. STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

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ZYTARUK BRIAN G : ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

GROWTH

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS: CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

FLETCHER R A : MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

KEITH C T : SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL-STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.

KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

MACKAY W C : ENVIRONMENTAL PHYSIOLOGY OF FISH, PARTICULARLY THE ENERGETICS OF TEMPERATE FRESHWATER FISH. RELATIONSHIP BETWEEN LATITUDE AND GROWTH RATE. ENVIRONMENTAL FACTORS WHICH AFFECT BODY AND GONAD-GROWTH.

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS. STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

OZBURN G W : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY. GROWTH STUDIES.

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION. SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

TYRRELL DAVID : BIOCHEMISTRY AND PHYSIOLOGY OF SPORULATION, GROWTH AND GERMINATION OF ENTOMOGENOUS FUNGI, ESPECIALLY OF THE FAMILY ENTO-MOPHTHORALES.

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

GROWTH-CONTROL

DONALDSON E M : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES AND GROWTH-CONTROL.

GUIDE

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

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TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

GUIDELINES

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

WILSON DAVID RJ : PREPARATION OF DESIGN AND OPERATING GUIDELINES FOR AQUACULTURAL-SYSTEMS FOR WARM AND COLD WATER SPECIES, INCLUDING RECIRCULATING FACILITIES. ASSESSMENT OF FISHERIES AND AQUATIC ASPECTS IN E.I.A.

GUIDES

GENEST L : EDUCATION EN ENVIRONNEMENT; INTERPRETATION DE LA NATURE;CENTRE ECOLOGIQUE; GUIDES D'INTERPRETATION: ETUDE D'IMPACT.

HABITAT

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

HABITAT

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

HABITATS

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.

REED AUSTIN : RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

HAEMATOLOGY

ATKINSON A B : HAEMATOLOGY AND IMMUNOHAEMATOLOGY. INTERESTED IN EFFECTS OF ENVIRONMENT ON BLOOD-MORPHOLOGY AND INHERITANCE PATTERNS.

HALOGEN

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

HALOGENATED-HYDROCARBON

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

HALOGENES

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

HARDBOARD

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

HARDWOOD

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

HARDWOODS

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

HARVESTING

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

HARVESTING-METHODS

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.

HAZARD

BRYDON J E : CONTROL OF TOXIC-CHEMICALS, ASSESSMENT OF HAZARD. ENVIRONMENTAL CONTAMINATION.

HAZARD-ASSESSMENT

MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

HAZARD-EVOLUTIONS

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

HAZARDOUS

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES. ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

HALL CD : ANALYSIS OF DRINKING-WATER FOR EVIDENCE OF INDUSTRIAL-CONTAMINATION BY HAZARDOUS ORGANIC-MATERIALS, INCLUDING LEGAL CASES WHEN NECESSARY. DEVELOPING AND MAINTAINING METHODS OF ANALYSIS. INTERPRETING RESULTS FOR USE IN THE FIELD.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY, EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

HAZARDOUS-CHEMICAL-SPILLS

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

HAZARDOUS-CHEMICALS

DEFREITAS A S W : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR-SPECIES.

HAZARDOUS-CHEMICALS

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

JONES P H : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.

HAZARDOUS-MATERIAL

MANSFIELD B H : OIL-SPILL COUNTERMEASURES, HAZARDOUS-MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

HAZARDOUS-WASTE

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

SIMPSON K J : HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS. MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.

STAIRS RA : ACID-PRECIPITATION: METHODS OF ESTIMATION OF ACIDITY. OCCUPATIONAL-HEALTH AND SAFETY, HAZARDOUS-WASTE MANAGEMENT.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

HAZARDOUS-WASTES

HAY DS : TRANSBOUNDARY CONTROLS FOR SHIPMENTS OF HAZARDOUS-WASTES.

WEAVER MARTIN : RESEARCH MANAGEMENT, HAZARDOUS-WASTES MANAGEMENT, LABORATORY DESIGN.

HAZARDS

DRANITSARIS P : IDENTIFICATION, EVALUATION AND RECOGNITION OF CHEMICAL AND PHYSICAL STRESSES AND HAZARDS ARISING IN THE WORKPLACE AND LEADING TO INCREASED MORTALITY; MORBIDITY AND ADVERSE HEALTH EFFECTS.

ENVIRONMENTAL HEALTH CENTRE : THE ENVIRONMENTAL HEALTH DIRECTORATE SERVES TO PROTECT CANADIANS FROM HEALTH HAZARDS ASSOCIATED WITH NATURAL AND MAN-MADE ENVIRONMENTS, THE COMPONENTS OF WHICH ARE THE PHYSICAL, CHEMICAL AND TECHNOLOGICAL ENCOMPASSMENT IN WHICH MODERN MAN LIVES AND WORKS. ITS PROGRAM COMPONENT AND MANDATE HAVE BEEN IDENTIFIED AS BEING ENVIRONMENTAL CONTAMINANTS HAZARDS, RADIATION HAZARDS, AND MEDICAL-DEVICES SAFETY AND EFFICACY.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

MACKENZIE A F : LAND-USE AND WATER-QUALITY; FERTILIZER USE AND ENVIRONMENTAL EFFECTS; MANURE AS A FERTILIZER AND SUBSEQUENT ENVIRONMENT HAZARDS AND BENEFITS.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

WHYTE ANNE V T : SOCIAL ASPECTS OF DEVELOPMENT, COMMUNITY PARTICIPATION ENVIRONMENTAL PERCEPTION, HUMAN RESPONSE TO HAZARDS, ENVIRONMENTAL RISK-ASSESSMENT.

HEALTH

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

DRANITSARIS P : IDENTIFICATION, EVALUATION AND RECOGNITION OF CHEMICAL AND PHYSICAL STRESSES AND HAZARDS ARISING IN THE WORKPLACE AND LEADING TO INCREASED MORTALITY; MORBIDITY AND ADVERSE HEALTH EFFECTS.

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FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. SCIENCE AND POLICY.

JONES P H : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.

POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

STEVENSON J S : COMPOSITION OF DEEP SEA NODULES; PROBLEMS OF HEALTH RELATED TO MINING.

STEWART D B : STRATA MECHANICS AND ENVIRONMENTAL FACTORS THAT INFLUENCE THE HEALTH, SAFETY AND EFFICIENCY OF UNDERGROUND COAL-MINING IN THE ATLANTIC-REGION.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

HEALTH-IMPACT

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

HEALTH-MANAGEMENT

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

HEAT

DONELAN MARK : AIR-SEA INTERACTION: GENERATION. PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES: TRANSFERS OF MOMENTUM. HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE: NUMERICAL WAVE FORECASTING: MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

HEAT

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

HEAT-RECOVERY

LOMBARD W K : COMBUSTION-EQUIPMENT; WASTE-INCINERATORS; HEAT-RECOVERY; SNOW-MELTERS.

HEATING

HUGHES F P : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING. POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

HEAVY-METAL

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

BATES T E : PLANT-NUTRIENT RESPONSE AND TOXICITY. HEAVY-METAL AVAILABILITY TO PLANTS, SOIL-FERTILITY.

CARTY A J : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

MORTIMER D C : UPTAKE MECHANISMS FOR HEAVY-METAL ACCUMULATION BY AQUATIC MACROPHYTES. MECHANISM OF TOXIC RESPONSE OF HEAVY-METALS AT THE CELLULAR LEVEL.

HEAVY-METALS

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CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

FITCHKO J : ENVIRONMENTAL BIOGEOCHEMISTRY, PARTICULARLY MOBILITY, PARTITIONING AND BIOCONCENTRATION OF HEAVY-METALS IN AQUATIC-ECOSYSTEMS. ENVIRONMENTAL-IMPACT-ASSESSMENT.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT. AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

KUDO A : DISTRIBUTION, TRANSPORT, TRANSFER AND TRANSFORMATION OF TOXIC-MATERIALS (INCLUDING RADIOACTIVE MATERIALS) IN THE AQUATIC ENVIRONMENT, ESPECIALLY PATHWAYS OF HEAVY-METALS.

KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

HEAVY-METALS

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

MCBRIDE B C : BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

MORTIMER D C : UPTAKE MECHANISMS FOR HEAVY-METAL ACCUMULATION BY AQUATIC MACROPHYTES. MECHANISM OF TOXIC RESPONSE OF HEAVY-METALS AT THE CELLULAR LEVEL.

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

WYSLOUZIL D M : STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.

HERBAGES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

HERBARIUM

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

HERBICIDE

BAKER B E : PESTICIDES AND HERBICIDE RESIDUES IN SOIL AND WATER; METHODS OF CONFIRMATION.

HERBICIDE-DAMAGE

QURESHI FA : PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS. EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

HERBICIDE-DEGRADATION

SMITH A E : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

HERBICIDES

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BOWREN K E : TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

CURRIE ROBERT A : MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

DROUIN JAMES A : DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.

FLETCHER R A : MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

GROVER R : ENVIRONMENTAL CHEMISTRY OF HERBICIDES.

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

O'SULLIVAN P A : BASIC AND APPLIED RESEARCH WITH EXPERIMENTAL AND LICENSED HERBICIDES: MODE OF ACTION, BASIS FOR SELECTIVITY; BEHAVIOUR IN MIXTURES; RESIDUE IN SOIL.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

OURESHI FA : PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES. ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS. EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

SMITH A E : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

HERPETOLOGY

SECOY D M : HERPETOLOGY, SPECIFICALLY REPTILES; BIRDS; ECOLOGY OF HIGH-LATITUDE VERTEBRATES; HISTORY OF PRE-INDUSTRIAL PEST-CONTROL.

HIGHWAY

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

HIGHWAYS

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES; APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.

HISTORIC

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

HISTORICAL-ECOLOGY

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

HOLARCTIC

BOYD H : STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.

HOMOPTERA

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

HONEY-BEES

DOLINSKI G : STORED GRAIN INSECTS. TOXICITY OF INSECTICIDES TO HONEY-BEES. LEAF CUTTER BEE-MANAGEMENT. FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

HORMONES

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

HOST-RESISTANCE

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

HOST-SPECIES

DROUIN JAMES A : DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.

HOTE-PATHOGENES

OUELLETTE G B : PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.

HOUSING

MCKELLAR J : HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING, BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

RICH GS : LOCAL AND METROPOLITAN GOVERNMENT, ORGANIZATION AND MANAGEMENT. ENVIRONMENTAL-PLANNING. HOUSING. RURAL-PLANNING.

HUDSON-BAY

PROTZ R : SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.

HUMAN-ECOLOGY

BERKES DR F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

NELSON JG : HUMAN-ECOLOGY: RESOURCE-MANAGEMENT (NATIONAL PARKS AND RELATED RESERVES IN THE NORTH). COASTAL USE AND MANAGEMENT.

HUMAN-EXPOSURE

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

HUMAN-EXPOSURES

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

HUMAN-POPULATIONS

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

HUMAN-SETTLEMENTS

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

HUMAN-THREATS

CHOQUETTE PAUL J : ASSESSMENT AND CONTROL OF HUMAN-THREATS TO THE ENVIRONMENT FROM ALL SECTORS OF THE CANADIAN ECONOMY, INDUSTRIAL OR OTHER. (TRANSPORTATION-SYSTEMS, URBAN ACTIVITIES, ETC.)

HUMAN-TISSUES

WILLIAMS D T : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN-TISSUES. REMOVAL OF ORGANIC CONTAMINANTS FROM DRINKING-WATER.

HUMANS

SHEMANCHUK J A : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

HUMIC

LANGFORD C H : STUDIES OF SPECIATION OF METAL-IONS AND MOBILITIES OF PESTICIDES IN NATURAL WATER-SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

HYDRAULIC

CHAPPELL M S : CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

HYDRAULIC-ENGINEERING

JONES L E : HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.

HYDRAULIC-STRUCTURES

TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.

HYDRAULICS

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

HYDRO

BERKES DR F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

HYDRO-CYCLONES

BOADWAY J D : SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

HYDRO-ELECTRIC

D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.

HYDROCARBONS

KICENIUK J W : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

SIMPSON F : POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS: ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS; ANTIBIOTIC BIOSYNTHESIS.

HYDROELECTRIQUES

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

HYDROGEN

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

SCOTT D S : CONDUCTS AND PROMOTES SYSTEMS-ANALYSIS, RESEARCH, DEVELOPMENT, DEMONSTRATION AND COMMERCIALIZATION OF HYDROGEN, AND HYDROGEN RELATED ENERGY SYSTEMS.

HYDROGEN-SULPHIDE

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

HYDROGEOLOGICAL

MOLTYANER GL : HYDROGEOLOGICAL, GEOCHEMICAL, AND MATHEMATICAL ASPECTS OF CONTAMINANT-TRANSPORT FROM WASTE-DISPOSAL SITES.

HYDROGEOLOGIQUES

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

HYDROGEOLOGY

GALE JE : HYDROGEOLOGY OF FRACTURED ROCKS AND CONTAMINANT MIGRATION. ROCK-MECHANICS. FRACTURE PROPERTIES. ENGINEERING GEOLOGY, FRACTURE CHARACTERIZATION.

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL, GEOLOGY, TERRAIN-EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING-GEOLOGY, GEOTECHNICAL STUDIES.

LENNOX DH : HYDROGEOLOGY, SURFACE-WATER MODELLING, GLACIOLOGY, SNOW-AND-ICE PHENOMENA.

SIBUL U : WATER-RESOURCES INVENTORY STUDIES AND MANAGEMENT. GROUNDWATER DEVELOPMENT AND PROTECTION FROM CONTAMINATION. HYDROGEOLOGY STUDIES AND EVALUATIONS.

ZYTARUK BRIAN G : ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

HYDROGRAPH

VANDENBERG A : GROUNDWATER HYDROLOGY. MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

HYDROGRAPHIC

D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

HYDROGRAPHICAL

KESIK A : GEOMORPHOLOGICAL AND HYDROGRAPHICAL SURVEY AND MAPPING. COMPILATION OF THEMATIC MAPS BASED ON REMOTE-SENSING DATA.

HYDROGRAPHY

AKENHEAD S A : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT. ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.

HYDROLOGICAL

BARRY P J : METEOROLOG[illegible] AND HYDROLOGICAL PROCESSES AT THE INTERFACE BETWEEN AIR-WATER, AIR-GROUND.

HOLDEN D M : HYDROLOGICAL STUDIES OF BLUEBERRY-CREEK WATERSHED. CONFLICTS OF MULTIPLE USE ON A COMMUNITY WATER-SUPPLY.

HYDROLOGICAL

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

HYDROLOGIE

CANTIN M : INRS-EAU FAVORISE LE TRANSFERT DE L'INFORMATION SCIENTIFIQUE ET L'ACCES RAPIDE A LA LITTERATURE INTERNATIONALE, EN DIFFUSANT AUPRES DE LA COMMUNAUTE SCIENTIFIQUE LES RESULTATS DES RECHERCHES A L'INTERIEUR DES AXES DE RECHERCHE SUIVANTS: HYDROLOGIE, ASSAINISSEMENT, CHIMIE, BIOLOGIE, AMENAGEMENT DE LA RESSOURCE EAU.

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU, ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.

INRS-EAU : FAISANT APPEL A DES EQUIPES DE RECHERCHE MULTIDISCIPLINAIRES, L'INRS-EAU REGROUPE SES TRAVAUX A L'INTERIEUR DE QUATRE PROGRAMMES DISTINCTS, A SAVOIR: HYDROLOGIE, ASSAINISSEMENT, DYNAMIQUE CHIMIQUE ET BIOLOGIQUE DU MILIEU, ET GESTION ET AMENAGEMENT DE LA RESSOURCE EAU.

HYDROLOGY

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

ANDREYCHUK EP AL : CONDUCT WASTEWATER AND HYDROLOGY WATER-QUALITY STUDIES; PREPARE ENVIRONMENTAL-IMPACT-ASSESSMENT STUDIES.

BOBEE B : STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

DEVRIES J : HYDROLOGY OF MOUNTAIN SLOPES. WATER AND SOIL-MANAGEMENT OF LOWLAND SOILS USED FOR AGRICULTURE.

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING, ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY, PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES, RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

MACKAY DK : SURFACE-WATER HYDROLOGY, PERMAFROST HYDROLOGY.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

ROBERTSON E : ENVIRONMENTAL FLUID-DYNAMICS AS RELATED TO ATMOSPHERIC DISPERSION AND BASIN HYDROLOGY. PARTICULAR INTEREST IN LAKE EVAPORATION AND LAKE MIXING.

STEPPUHN H : SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

VANDENBERG A : GROUNDWATER HYDROLOGY, MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

YOUNG G J : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

HYDROMETEOROLOGICAL

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

HYDROMETRIQUE

PILON PAUL J : STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

HYGIENIST

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

HYPERTROPHIC

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

ICE

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.

CHAMP DH : DIRECTOR OF ICE BRANCH; MANAGE OPERATIONAL ICE INFORMATION SERVICE PROGRAM: DATA, ANALYSIS, FORECASTING, CONSULTING ON APPLICATIONS, RESEARCH TO SUPPORT SERVICE.

GRAINGER E H : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

ICHTHYOPLANKTON

KOHLER CARL : GROUNDFISH BIOLOGY, LIFE HISTORY AND SURVEYS. ICHTHYOPLANKTON SURVEYS IN THE GULF OF ST-LAWRENCE AND ON THE SCOTIAN SHELF.

IMAGE-ANALYSIS

MORRISSEY E G : SATELLITE METEOROLOGY. RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.

IMMUNOCYTOCHIMIQUES

IMMUNOCYTOCHIMIQUES

OUELLETTE G B : PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.

IMMUNOLOGY

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

IMMUNOLOGY-PHAGES

MANKIEWICZ E : MYCOBACTERIA: GENETICS, IMMUNOLOGY-PHAGES INFECTIOUS-DISEASES.

IMPACT-ASSESSMENT

JONES P H : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

SCACE DR R C : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

THOMPSON D C : LAND-RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL-DEVELOPMENTS.

IMPACT-MANAGEMENT

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

IMPACT-STUDIES

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ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.

MCCUAIG HELEN E : ENVIRONMENTAL INFORMATION SPECIALIST. INDEXING, KWIC INDEXES, BIBLIOGRAPHIES, ON-LINE SEARCHING. SOURCE COORDINATOR OF INFOTERRA DIRECTORY.

INDICATOR-SPECIES

DEFREITAS A S W : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR-SPECIES.

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PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

TAMURA G T : RESEARCH ON MEASUREMENTS OF SOURCES AND INDOOR AIR-CONTAMINANTS: CONTROL ON CONTAMINANT LEVELS.

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DICKSON LIU : BIODEGRADATION AND TOXICITY-ASSESSMENT OF TOXIC-SUBSTANCES; INDUSTRIAL WASTEWATER-TREATMENT, BIOTECHNOLOGY DEVELOPMENT IN ENERGY AND RESOURCES.

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HADJINICOLAOU DR J : TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

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JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

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LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

LAUGHLIN R G W : DEVELOPMENT OF WASTE-TREATMENT TECHNOLOGY. DEVELOPMENT OF USES FOR INDUSTRIAL AND MUNICIPAL-WASTES. OPERATION OF THE CANADIAN WASTE MATERIALS EXCHANGE PROGRAMME.

PEPPER J M : CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

PROCTOR & REDFERN GROUP : SPECIALIZED EXPERTISE IN THE FIELDS OF SOLID AND LIQUID INDUSTRIAL WASTE-MANAGEMENT AND ALTERNATE-FUELS.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

RODGERS PG : ASSESSMENT OF ENVIRONMENTAL CONCERNS MAINLY IN THE AREA OF INDUSTRIAL AND TOXIC CHEMICAL PROBLEMS IN CANADA.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

SMITH DS : SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

TOWNSLEY P M : INDUSTRIAL FERMENTATIONS. BIOTECHNOLOGY. WASTE: HIGH TEMPERATURE PROCESSING. MUSHROOMS.

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VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

ZYTARUK BRIAN G : ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

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HALL CD : ANALYSIS OF DRINKING-WATER FOR EVIDENCE OF INDUSTRIAL-CONTAMINATION BY HAZARDOUS ORGANIC-MATERIALS, INCLUDING LEGAL CASES WHEN NECESSARY. DEVELOPING AND MAINTAINING METHODS OF ANALYSIS. INTERPRETING RESULTS FOR USE IN THE FIELD.

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SCARRATT D J : IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS.

THOMPSON D C : LAND-RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL-DEVELOPMENTS.

INDUSTRIAL-EFFLUENTS

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

INDUSTRIAL-HYGIENE

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VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

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KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

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DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

INDUSTRIAL-WASTES

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

SIMPSON F : POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

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BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

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JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

INDUSTRY

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

ENGINEERING AND STATISTICAL : INSTITUTE ESTABLISHED IN 1978 BRINGING TOGETHER EXPERTS IN THE MAJOR ENGINEERING FIELDS, STATISTICIANS AND COMPUTER-PROGRAMMERS TO SUPPORT THE ACTIVITIES OF AGRICULTURE CANADA AND THE CANADIAN AGRICULTURAL INDUSTRY. MUCH OF THE WORK BEING DONE CONCERNS THE ENVIRONMENT.

FINDLAY D M : ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION. FISH-TOXICITY. EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

ITKIN A : WATER SYSTEMS AND WASTEWATER-SYSTEMS FOR AGRICULTURE INDUSTRY AND MUNICIPALITIES.

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

LECHNER L J : IN CHARGE OF THE AIR-POLLUTION-CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR-CONTAMINANTS FROM INDUSTRY.

MCLEAN RONALD A N : PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.

ROMANO L S : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

INFECTION

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

INFECTIOUS-DISEASES

MANKIEWICZ E : MYCOBACTERIA: GENETICS, IMMUNOLOGY-PHAGES INFECTIOUS-DISEASES.

INFORMATION

BOWEN MURRAY G : COLLECTING, EVALUATING, ANALYZING AND REPORTING INFORMATION ON FOREST-RESOURCES OF CANADA AND THE USA AND REST OF THE COUNTRIES OF THE WORLD THAT HAVE SIGNIFICANT FOREST-RESOURCES AND/OR FOREST-MANAGEMENT PRACTICES AND THEIR TRADE IN FOREST-PRODUCTS.

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

BYSTRAM AGATHA M : PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.

CHAMP DH : DIRECTOR OF ICE BRANCH; MANAGE OPERATIONAL ICE INFORMATION SERVICE PROGRAM: DATA, ANALYSIS, FORECASTING, CONSULTING ON APPLICATIONS, RESEARCH TO SUPPORT SERVICE.

DEMAYO A : ENVIRONMENTAL DATA AND MANAGEMENT INFORMATION SYSTEMS, WATER-QUALITY DATA COLLECTION AND INTERPRETATION, ORGANIZATION AND EVALUATION OF PROGRAMS.

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

IZUMI K : PSYCHO-SOCIAL CONSIDERATIONS IN OR OF ENVIRONMENTAL-DESIGN WITH SPECIAL REFERENCE TO PHYSICALLY AND PSYCHOLOGICALLY DISABLED. NATURE OF HUMAN INFORMATION WITH REFERENCE TO SOCIAL-POLICY AND PLANNING. ENVIRONMENTAL ETHICS.

MCCUAIG HELEN E : ENVIRONMENTAL INFORMATION SPECIALIST. INDEXING, KWIC INDEXES, BIBLIOGRAPHIES, ON-LINE SEARCHING. SOURCE COORDINATOR OF INFOTERRA DIRECTORY.

MCNEIL LUCIE : REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

YAMASAKI RS : MATERIAL BEHAVIOUR AND CHARACTERIZATION OF MICRO-ENVIRONMENTAL CONDITIONS TO WHICH ORGANIC BUILDING-MATERIALS ARE EXPOSED DURING OUTDOOR SERVICE. INFORMATION USED TO DEVELOP SHORT-TERM TEST TO PREDICT LONG-TERM DURABILITY.

INFORMATION-RETRIEVAL

MARSHALL K ERIC : INFORMATION-RETRIEVAL SPECIALIST ESPECIALLY IN THE SUBJECT AREA OF AQUATIC-BIOLOGY (PARTICULARLY FRESHWATER).

INFORMATION-SCIENTIFIQUE

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU, ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.

INFORMATION-SYSTEMS

CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS, GRAPHIC PRESENTATION OF ENVIRONMENTAL DATA, LAND-RESOURCE DATA-SYSTEMS.

DOOLEY J E : DECISION PROCESSES AND STATISTICAL INFORMATION-SYSTEMS APPLICABLE TO RISK AND ENVIRONMENTAL-MANAGEMENT.

INFOTERRA

INFOTERRA

BYSTRAM AGATHA M : PROVIDES BIBLIOGRAPHIES: ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR, NATIONAL FOCAL POINT FOR INFOTERRA, THE INFORMATION REFERRAL SYSTEM OF UNEP.

MCCUAIG HELEN E : ENVIRONMENTAL INFORMATION SPECIALIST. INDEXING, KWIC INDEXES, BIBLIOGRAPHIES, ON-LINE SEARCHING. SOURCE COORDINATOR OF INFOTERRA DIRECTORY.

INFRASTRUCTURE

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING. PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

INHALATION

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

INLAND-WATERS

FORD J S : DEVELOPING AND DESIGNING MEASURING-SYSTEMS FOR ENVIRONMENTAL VARIABLES IN INLAND-WATERS; INSTRUMENT-DESIGN AND EVALUATION.

INORGANIC

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS: DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

LUSH DONALD L : ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

INRS-EAU

CANTIN M : INRS-EAU FAVORISE LE TRANSFERT DE L'INFORMATION SCIENTIFIQUE ET L'ACCES RAPIDE A LA LITTERATURE INTERNATIONALE, EN DIFFUSANT AUPRES DE LA COMMUNAUTE SCIENTIFIQUE LES RESULTATS DES RECHERCHES A L'INTERIEUR DES AXES DE RECHERCHE SUIVANTS: HYDROLOGIE, ASSAINISSEMENT, CHIMIE, BIOLOGIE, AMENAGEMENT DE LA RESSOURCE EAU.

INSECT

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

MCCLANAHAN R J : BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES: REVISION OF CONTROL RECOMMENDATIONS.

MORGAN A V : FOSSIL INSECT RESEARCH, USING COLEOPTERA (BEETLES) TO ASSIST IN THE INTERPRETATION OF RATE AND SCALE OF CLIMATIC CHANGE, PARTICULARLY DURING THE LAST INTERGLACIAL TO PRESENT. PALEOECOLOGY AND ZOOGEOGRAPHIC SHIFTS ARE ALSO STUDIED.

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

RYAN J K : ENTOMOLOGY; INSECT SURVEYS.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

STEWART R K : INSECT ECOLOGY, PEST-MANAGEMENT, ENVIRONMENTAL-IMPACT, INSECT PEST-CONTROL.

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

YOSHIMOTO CARL M : INSECT TAXONOMY IN PARASITIC HYMENOPTERA (CHALCIDOIDEA, CYNIPOIDEA).

INSECT-CONTROL

DOLINSKI G : STORED GRAIN INSECTS. TOXICITY OF INSECTICIDES TO HONEY-BEES. LEAF CUTTER BEE-MANAGEMENT, FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

RING R A : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL-INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

INSECT-PATHOGENS

SOHI S S : IN VITRO INVESTIGATIONS ON INSECT-PATHOGENS.

INSECT/PLANT

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES. INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

INSECTES

JOBIN LUC J : PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.

LACHANCE DENIS : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

PHILOGENE BIR : LUTTE CONTRE LES INSECTES. UTILISATION DES PESTICIDES ET LEUR IMPACT; LUTTE INTEGREE.

INSECTICIDE

PEARCE P A : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY.

PREE D J : INSECTICIDE TOXICOLOGY. PEST-MANAGEMENT. RESISTANCE STUDIES WITH TREE FRUIT INSECTS.

INSECTICIDES

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES. WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

CURRIE ROBERT A : MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

INSECTICIDES

DOLINSKI G : STORED GRAIN INSECTS. TOXICITY OF INSECTICIDES TO HONEY-BEES. LEAF CUTTER BEE-MANAGEMENT. FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

DOWNER R G H : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS: CORRELATIONS BETWEEN MONOAMINE LEVELS AND BEHAVIOUR; INSECTICIDE-DEVELOPMENT.

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

SMITH T D : EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.

INSECTS

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

DOLINSKI G : STORED GRAIN INSECTS. TOXICITY OF INSECTICIDES TO HONEY-BEES. LEAF CUTTER BEE-MANAGEMENT. FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

KEVAN D K : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS, GRASSHOPPERS, CRICKETS, COCKROACHES, TERMITES, ETC.) SOIL-FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

MCCLANAHAN R J : BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES; REVISION OF CONTROL RECOMMENDATIONS.

OLIVER D R : TRAINED IN FRESHWATER BIOLOGY. CURRENT RESEARCH ON CHIRONOMIDAE (A GROUP OF PRIMARILY FRESHWATER INSECTS), MAINLY SYSTEMATICS BUT ALSO ECOLOGY, LIFE-HISTORY AND EVOLUTION.

PREE D J : INSECTICIDE TOXICOLOGY. PEST-MANAGEMENT. RESISTANCE STUDIES WITH TREE FRUIT INSECTS.

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES: ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

INSTRUMENT-DESIGN

FORD J S : DEVELOPING AND DESIGNING MEASURING-SYSTEMS FOR ENVIRONMENTAL VARIABLES IN INLAND-WATERS; INSTRUMENT-DESIGN AND EVALUATION.

INSTRUMENT-DEVELOPMENT

JACKSON RA : ELEMENTAL ANALYSIS, INCLUDING TRACE-ANALYSIS. ENVIRONMENTAL AIR AND WATER-SAMPLING TECHNIQUES. ANALYTICAL INSTRUMENT-DEVELOPMENT.

INSTRUMENTAL-ANALYSIS

BERMAN S S : TRACE-METAL ANALYSIS, PARTICULARLY IN MARINE MATERIALS. TRACE-METAL SEPARATIONS AND PRECONCENTRATION. INSTRUMENTAL-ANALYSIS.

INSTRUMENTATION

BOYCE F M : CIRCULATION AND THERMAL STRUCTURE OF LARGE LAKES. INSTRUMENTATION. FIELD MEASUREMENTS. DATA-PROCESSING AND ANALYSIS OF THE ABOVE.

CRABBE R S : DEPOSITION AND DISPERSION OF PARTICULATES IN THE ATMOSPHERE; DESIGN OF PARTICULATE-SIZING INSTRUMENTATION.

DICK R : DESIGN, MANUFACTURE AND OPERATION OF INSTRUMENTATION FOR REMOTE-SENSING OF ENVIRONMENTAL POLLUTION.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

STEPHENSON JOSEPH P : BIOLOGICAL WASTEWATER-TREATMENT; PROCESS OPERATIONS AND CONTROL; MODELLING; INSTRUMENTATION.

INTERGOVERNMENTAL

BIRD P M : HEADED NATIONAL RADIATION-PROTECTION PROGRAM. PARTICIPATION IN INTERGOVERNMENTAL POLICY MEETINGS. DIRECTED DEVELOPMENT OF CLEAN-AIR-ACT. MEMBER OF ENVIRONMENTAL-ASSESSMENT PANEL. CURRENTLY WORKING ON PREPARATION OF NATIONAL STATE OF THE ENVIRONMENT REPORT.

DWIVEDI O P : ENVIRONMENTAL POLICY-PLANNING AND MANAGEMENT, ENVIRONMENTAL LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION.

INTERNATIONAL

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

DWIVEDI O P : ENVIRONMENTAL POLICY-PLANNING AND MANAGEMENT, ENVIRONMENTAL LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION.

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

MCADIE H G : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

STENEKER G A : GENERAL KNOWLEDGE ON CANADIAN FORESTRY SECTOR. KNOWLEDGE OF INTERNATIONAL FORESTRY ORGANIZATIONS AND BILATERAL RELATIONS IN FORESTRY BETWEEN CANADA AND OTHER COUNTRIES.

TONKS D B : TRACE-METAL ANALYSIS. PROFICIENCY TESTING (INTER-LABORATORY COMPARISONS). QUALITY-CONTROL OF ANALYTICAL PROCEDURES. INTERNATIONAL STANDARDIZATION OF ANALYTICAL METHODS FOR TRACE-METAL ANALYSES IN BIOLOGICAL SPECIMENS.

WALTON A : MANAGEMENT OF RESEARCH AND RELATED SCIENTIFIC ACTIVITIES IN OCEANOGRAPHY AND ENVIRONMENTAL-QUALITY. POLICY-DEVELOPMENT IN INTERNATIONAL MARINE AFFAIRS.

INTERNATIONAL-JOINT-COMMISSION

EDWARDS C J : A MEMBER OF THE SECRETARIAT PROVIDING BIOLOGICAL EXPERTISE TO THE INTERNATIONAL-JOINT-COMMISSION AND ITS WATER-QUALITY BOARD AND SCIENCE ADVISORY BOARD.

INTERNATIONAL-RESEARCH

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

INTERNATIONALE

CANTIN M : INRS-EAU FAVORISE LE TRANSFERT DE L'INFORMATION SCIENTIFIQUE ET L'ACCES RAPIDE A LA LITTERATURE INTERNATIONALE, EN DIFFUSANT AUPRES DE LA COMMUNAUTE SCIENTIFIQUE LES RESULTATS DES RECHERCHES A L'INTERIEUR DES AXES DE RECHERCHE SUIVANTS: HYDROLOGIE, ASSAINISSEMENT, CHIMIE, BIOLOGIE, AMENAGEMENT DE LA RESSOURCE EAU.

INTERPRETATION

DEMAYO A : ENVIRONMENTAL DATA AND MANAGEMENT INFORMATION SYSTEMS, WATER-QUALITY DATA COLLECTION AND INTERPRETATION, ORGANIZATION AND EVALUATION OF PROGRAMS.

ELLENBERGER H : ANALYSIS AND INTERPRETATION OF RESULTS ASSOCIATED WITH CLINICAL TOXICOLOGY, OCCUPATIONAL-HEALTH, STREET DRUG ANALYSES.

GENEST L : EDUCATION EN ENVIRONNEMENT; INTERPRETATION DE LA NATURE;CENTRE ECOLOGIQUE; GUIDES D'INTERPRETATION: ETUDE D'IMPACT.

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

JONES L E : HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.

MORGAN A V : FOSSIL INSECT RESEARCH, USING COLEOPTERA (BEETLES) TO ASSIST IN THE INTERPRETATION OF RATE AND SCALE OF CLIMATIC CHANGE, PARTICULARLY DURING THE LAST INTERGLACIAL TO PRESENT. PALEOECOLOGY AND ZOOGEOGRAPHIC SHIFTS ARE ALSO STUDIED.

TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

INTERPRETATION-PROGRAMS

WHITTAM RF : ENVIRONMENTAL-AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION-PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

INTERPRETATIONS

DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION. SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

INTERTIDAL-INSECTS

RING R A : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL-INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

INVENTAIRE

FERNET L : ENTOMOLOGIE-ECOLOGIE: INVENTAIRE DES ODONATES: GASPESIE, CAP JASEUX. ODONATES INDICATEURS DE LA NATURE DU MILIEU. EMERGENCE DES ODONATES DU SAGUENAY.

INVENTORIES

ACHUFF DR PL : VEGETATION INVENTORIES; LAND-CLASSIFICATION.

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

INVENTORIES

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL, GEOLOGY, TERRAIN-EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING-GEOLOGY, GEOTECHNICAL STUDIES.

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH, LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

INVENTORS

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

INVENTORY

CIHLAR J : APPLICATIONS OF REMOTE-SENSING TECHNIQUES (AIRBORNE AND SATELLITE) TO THE INVENTORY, MONITORING AND MANAGEMENT OF NATURAL-RESOURCES.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

HOPWOOD WA : INVENTORY OF FOREST BIOMASS. PUBLICATIONS ON: ENFOR BIOMASS ESTIMATION PROJECTS; COORDINATION OF BIOMASS ESTIMATION IN CANADA; AND CANADA'S FOREST BIOMASS INVENTORY - 1984.

SIBUL U : WATER-RESOURCES INVENTORY STUDIES AND MANAGEMENT. GROUNDWATER DEVELOPMENT AND PROTECTION FROM CONTAMINATION. HYDROGEOLOGY STUDIES AND EVALUATIONS.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES: ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

INVERTEBRATE

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

INVERTEBRATE-ECOLOGY

DERMOTT R : INVERTEBRATE-ECOLOGY, TAXONOMY OF GREAT-LAKES BOTTOM FAUNA.

INVERTEBRATES

FREDEEN F J H : QUANTITATIVE SAMPLING OF INVERTEBRATES IN RIVERS, ESPECIALLY BLACK-FLIES SIMULIIDAE (DIPTERA).

MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

PERCY J A : ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

INVERTEBRATES

WRIGHT R H : SENSE OF SMELL AS IT RELATES TO VERTEBRATES AND ALSO INVERTEBRATES. BASIC PHYSICO-CHEMICAL-PHYSIOLOGICAL MECHANISMS.

ION-EXCHANGE

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE. NATURAL-GAS METERING AT HIGH PRESSURE. USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

LUTWICK GD : REMOVAL OF ARSENIC FROM RURAL WELL-WATERS BY ION-EXCHANGE WITH FERRIC-HYDROXIDE. PATENT.

IRON-ORE

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

IRRIGATION

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CHIENG S : RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

ISLAMABAD

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

ISOTOPE

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY, PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES, RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

KROUSE H R : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

ISOTOPES

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY, PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES, RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

JAKARTA

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

KIDNEY

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.

KIDNEY-TOXICITY

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

KINETICS

MCKENNEY D J : THE KINETICS OF DENITRIFICATION IN AGRICULTURAL AND FOREST-SOILS ARE MEASURED USING A GAS-FLOW-SYSTEM. MICROBIAL PRODUCTION AND LOSS OF NO3, NO2, NO, N2O AND N2 CAN BE MEASURED. EFFECTS OF VARIOUS AMENDMENTS TO THESE SOILS ARE EVALUATED.

PARASKEVOPOULOS G : KINETICS AND MECHANISMS OF REACTIONS OF TROPOSPERIC AND STRATOSPHERIC INTEREST.

SINGLETON D L : KINETICS AND MECHANISMS OF CHEMICAL-REACTIONS IN UPPER AND LOWER ATMOSPHERE.

KRAFT

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT-SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

LABORATORIES

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

LABORATORY

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL-DIVISION.

HARRISON EJ : APPLICATION OF MINI AND MICRO-COMPUTERS TO LIMNOLOGICAL RESEARCH, BOTH IN SITU AND IN THE LABORATORY.

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

LABORATORY

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GC-MS.

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING, POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

SMITH A E : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

SOUTH G R : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

TIMUSS AD : ENVIRONMENTAL LABORATORY ANALYSIS, TRACE-METALS, TRACE-ORGANICS.

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

WEAVER MARTIN : RESEARCH MANAGEMENT, HAZARDOUS-WASTES MANAGEMENT, LABORATORY DESIGN.

LABORATORY-ANALYSIS

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

LABRADOR

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

LABRADOR-SEA

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.

LACS

MCNEIL LUCIE : REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

LAGOON

LEE HENRY : ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

LAGOONS

LAGOONS

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

LAGUNAGE

LABONTE ROGER : ASSAINISSEMENT DES EAUX-USEES AU MOYEN DE TECHNOLOGIES DOUCES TELLES QUE LE LAGUNAGE ET LES TOURBIERES CONCEPTION ASSISTEE A L'ORDINATEUR DES STATIONS D'EPURATION DES EAUX-USEES. FORMATION PROFESSIONNELLE DANS LE DOMAINE DU GENIE DE L'ENVIRONNEMENT.

LAKE

CLODMAN STEPHEN : SHORT-RANGE COMPUTER WEATHER-FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS, DISPERSION, UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

MORTON F I : SUCCESSFUL RESEARCH ON DEVELOPMENT & VERIFICATION OF A TECHNIQUE THAT PROVIDES RELIABLE OPERATIONAL ESTIMATES OF AREAL EVAPOTRANSPIRATION OR LAKE EVAPORATION FROM ROUTINE CLIMATOLOGICAL OBSERVATIONS IN MANY WIDELY DIFFERING ENVIRONMENTS THROUGHOUT THE WORLD.

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

ROBERTSON E : ENVIRONMENTAL FLUID-DYNAMICS AS RELATED TO ATMOSPHERIC DISPERSION AND BASIN HYDROLOGY. PARTICULAR INTEREST IN LAKE EVAPORATION AND LAKE MIXING.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

LAKE-ACIDIFICATION

HARVEY H H : KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION, FISH RESPONSES. BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.

LAKE-CIRCULATION

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

LAKE-EUTROPHICATION

PETERS R H : ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS, CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.

LAKE-HURON

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES. INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

LAKE-ICE

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

LAKE-LIMING

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

LAKE-PRODUCTIVITY

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

LAKES

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

BOYCE F M : CIRCULATION AND THERMAL STRUCTURE OF LARGE LAKES. INSTRUMENTATION, FIELD MEASUREMENTS, DATA-PROCESSING AND ANALYSIS OF THE ABOVE.

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS. ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

DAVIES R W : ANALYSIS OF THE EFFECTS OF PERTURBATIONS BOTH NATURAL AND MAN-INDUCED ON MACROBENTHOS OF LAKES AND RIVERS. EMPHASIS ON THE EFFECTS OF CHLORINE AND CHANGES IN SUSPENDED AND DEPOSITED SEDIMENTS.

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES; TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE; NUMERICAL WAVE FORECASTING; MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

KRAMER J R : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL-SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

LAKES

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

YAN N D : INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.

LAKESHORE:OUTDOOR-EDUCATION

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

LANCASTER-SOUND

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

LAND

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

FINDLAY RON L : COORDINATED RESEARCH IN AIR, LAND, WATER-SYSTEMS.

GARDINER R T : DEVELOPMENT AND APPLICATION OF RECLAMATION TECHNOLOGY FOR LAND DISTURBED BY COAL AND METAL-MINING IN BRITISH-COLUMBIA AND NORTHWEST-TERRITORIES.

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

IRONSIDE G R : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON-TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION. WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA: ARCTIC COASTAL CLASSIFICATION.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY. SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY. GROWTH STUDIES.

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

LAND-APPLICATION

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

LAND-CLASSIFICATION

ACHUFF DR PL : VEGETATION INVENTORIES; LAND-CLASSIFICATION.

IRONSIDE G R : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON-TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

LAND-DEVELOPMENT

LAMB A : DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES. CLIENT LIAISON. PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.

LAND-EVALUATION

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING, ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

LAND-INVENTORY

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

LAND-MANAGEMENT

FORSTER AB : FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.

RUBEC C D A : ECOLOGICAL LAND-SURVEY, APPLICATIONS, LAND-MANAGEMENT AND DATA-SYSTEMS, LAND-USE MONITORING.

LAND-RECLAMATION

THOMPSON D C : LAND-RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL-DEVELOPMENTS.

LAND-RESOURCE

BOND W K : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL-GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND-RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

CRAIN IK : GEOGRAPHIC INFORMATION-SYSTEMS, GRAPHIC PRESENTATION OF ENVIRONMENTAL DATA, LAND-RESOURCE DATA-SYSTEMS.

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

LAND-RUNOFF

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND-RUNOFF TO THE POLLUTION OF RECEIVING WATERS. FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

LAND-SURVEY

RUBEC C D A : ECOLOGICAL LAND-SURVEY, APPLICATIONS, LAND-MANAGEMENT AND DATA-SYSTEMS, LAND-USE MONITORING.

LAND-USE

ARCHDEKIN LW : URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.

BOND W K : LAND-USE ANALYSIS; STUDY EFFECTS OF FEDERAL-GOVERNMENT PROGRAMS ON USE AND MANAGEMENT OF CANADA'S LAND-RESOURCE; ANALYSIS OF EXTENT, NATURE, CAUSES AND CONSEQUENCES OF LAND-USE CHANGE ON CANADA'S AGRICULTURAL MARGINS; STUDY OF FRUITLAND CHANGE.

BROWN D M : AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

DONALDSON G R : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.

FENGE TAE : LAND-USE POLICY AND PLANNING IN ARCTIC AND SUBARCTIC AREA WITH SPECIFIC REFERENCE TO ENVIRONMENTAL CONSERVATION.

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING, ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

IRONSIDE G R : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON-TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

MACKENZIE A F : LAND-USE AND WATER-QUALITY; FERTILIZER USE AND ENVIRONMENTAL EFFECTS; MANURE AS A FERTILIZER AND SUBSEQUENT ENVIRONMENT HAZARDS AND BENEFITS.

MANNING EDWARD W : LAND-USE RESEARCH, AGRICULTURAL LAND-USE, PROTECTION OF PRIME RESOURCE LANDS, REGIONAL RESOURCE PLANNING. FOCUS ON MAN/LAND RELATIONSHIPS, BEHAVIOURAL ANALYSES OF RESOURCE-USE, LIMITS OF CARRYING CAPACITY/RESOURCE DEVELOPMENT OPPORTUNITIES.

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

MCCUAIG J D : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS: FEDERAL/ PROVINCIAL LIAISON.

MCKELLAR J : HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING, BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.

ROWLES CHARLES A : SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

RUBEC C D A : ECOLOGICAL LAND-SURVEY, APPLICATIONS, LAND-MANAGEMENT AND DATA-SYSTEMS, LAND-USE MONITORING.

LAND-USE

SCACE DR R C : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

SHALINSKY W : SMALL GROUPS IN PLANNING AND POLICY. ENVIRONMENTS OF THE DISABLED. SERVICES FOR THE DISABLED. SOCIAL-PLANNING. RELATIONSHIP BETWEEN SOCIAL-PLANNING AND PHYSICAL (LAND-USE) PLANNING.

STRANG R M DR : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH, LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

VEEMAN T S : WATER-RESOURCES POLICY. LAND-USE POLICY. WORLD FOOD PROBLEM. ENVIRONMENTAL AND RESOURCE ECONOMICS.

LAND-USE-PLANNING

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

LAND-USES

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

LAND-VALUE

MCCUAIG J D : LAND-USE PLANNING; GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS; LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

LANDFILL

BIRKBECK A E : INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT. WATER-RECIRCULATION (EG. FISH-HATCHERIES). LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.

DART F J : POTABLE-WATERS; CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

LANDFILL-DISPOSAL

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

LANDFILL-GAS

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

LANDFILL-SITE

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

LANDSCAPE

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

THIE J : LANDSCAPE ECOLOGY. ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

LANDSCAPE-ANALYSES

SCACE DR R C : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES. HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT. RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

LANDSCAPES

SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE-HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION-MANAGEMENT.

LANDSCAPING

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS. LANDSCAPING.

LANDSLIDE

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

LARCH

MURRAY G : FOREST-GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

LARVAL

HARDING G C H : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

LESLIE J K : LARVAL FISH-ECOLOGY; TAXONOMY, DEVELOPMENT OF SAMPLING TECHNIQUES.

LASER

CARSWELL A I : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

LATIN-AMERICAN

PRICE IOLA : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS, LOONS, HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

LAWYER

LAWYER

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY. EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

LEACHATE

BIRKBECK A E : INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT. WATER-RECIRCULATION (EG. FISH-HATCHERIES). LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.

FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

LEACHING

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

LEAD

CARTY A J : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT, AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

KRAINTZ L : LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

LEGISLATION

DWIVEDI O P : ENVIRONMENTAL POLICY-PLANNING AND MANAGEMENT, ENVIRONMENTAL LEGISLATION, ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT, INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS, NORTH-SOUTH ENVIRONMENTAL RELATIONS, AND ENVIRONMENTAL ADMINISTRATION.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

LEGISLATION

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

LEGUMES

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

LIBRARY

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

LICHEN

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

LICHENS

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

LIFE-CYCLE

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

LIFE-HISTORY

KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES. INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

OLIVER D R : TRAINED IN FRESHWATER BIOLOGY. CURRENT RESEARCH ON CHIRONOMIDAE (A GROUP OF PRIMARILY FRESHWATER INSECTS), MAINLY SYSTEMATICS BUT ALSO ECOLOGY, LIFE-HISTORY AND EVOLUTION.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES: ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

LIFESTYLES

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

LIGHTING

FAZIO P : BUILDING SCIENCE. BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

LIGNIN

PEPPER J M : CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

LIGNO-CELLULOSICS

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

LIGNOCELLULOSICS

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS. BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

LIMNOLOGICAL

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

HARRISON EJ : APPLICATION OF MINI AND MICRO-COMPUTERS TO LIMNOLOGICAL RESEARCH, BOTH IN SITU AND IN THE LABORATORY.

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

LIMNOLOGIE

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

LIMNOLOGY

ALLEN EAD DR : AQUATIC MACROPHYTES; LIMNOLOGY

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

LIMNOLOGY

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

ELDER F C : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC-SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS, DISPERSION, UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC-ECOLOGY.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

VALLENTYNE JOHN R : ENVIRONMENTAL EDUCATION; LIMNOLOGY; SCIENCE AND SOCIETY INTERACTION.

LIPIDIQUES

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

LIQUID-FLOW-PROCESSING

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

LIQUID-WASTE

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

LIVER

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

MARKS GERALD S : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.

LIVESTOCK

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

LIVESTOCK-WATERING

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

LOBSTER

HARDING G C H : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

LOGGING

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.

LOGS

ST-LAURENT ANDRE : IMPROVED METHODS OF LUMBER FABRICATION FROM LOGS: WOOD-MACHINING, WOOD-CUTTING, FELLING OF TREES AND WOOD-CUTTING MACHINERY IN GENERAL.

LOI

BERGERON MICHEL : PREPARER ET EVALUER LES RAPPORTS CONFIDENTIELS EN PROVENANCE DE L'INDUSTRIE CANADIENNE CONCERNANT LA FABRICATION OU/ET L'IMPORTATION DE NOUVEAUX PRODUITS CHIMIQUES EN RELATION AVEC LA SOUS-SECTION 4(6) DE LA LOI CANADIENNE DES CONTAMINANTS DE L'ENVIRONNEMENT ET TRAVAILLER A DES PROJETS SPECIAUX TEL QU'UN DOSSIER D'EVALUATION DES COLORANTS.

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

LOONS

PRICE IOLA : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS. LOONS. HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

LUMBER

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

ST-LAURENT ANDRE : IMPROVED METHODS OF LUMBER FABRICATION FROM LOGS: WOOD-MACHINING, WOOD-CUTTING, FELLING OF TREES AND WOOD-CUTTING MACHINERY IN GENERAL.

LUNG

NEWHOUSE M T : EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

LUNG-DISEASE

RITCHIE A : PATHOLOGY OF OCCUPATIONAL LUNG-DISEASE.

LYSIMETERS

SILVER M : BIOTECHNOLOGY IN RELATION TO ENVIRONMENTAL ASPECTS OF THE MINING INDUSTRIES. TAILINGS, RADIONUCLIDES, LYSIMETERS.

MACRO-PHYTES

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

MACROBENTHIC

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

MACROBENTHOS

DAVIES R W : ANALYSIS OF THE EFFECTS OF PERTURBATIONS BOTH NATURAL AND MAN-INDUCED ON MACROBENTHOS OF LAKES AND RIVERS. EMPHASIS ON THE EFFECTS OF CHLORINE AND CHANGES IN SUSPENDED AND DEPOSITED SEDIMENTS.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

MACROPHYTES

ALLEN EAD DR : AQUATIC MACROPHYTES; LIMNOLOGY

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

MORTIMER D C : UPTAKE MECHANISMS FOR HEAVY-METAL ACCUMULATION BY AQUATIC MACROPHYTES. MECHANISM OF TOXIC RESPONSE OF HEAVY-METALS AT THE CELLULAR LEVEL.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

MAMMAL

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

MAMMALS

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

DOUBLEDAY W G : POPULATION-DYNAMICS AND MANAGEMENT OF MARINE FISH AND MARINE MAMMALS.

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

MAMMALS

MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.

SERGEANT D E : BIOLOGY AND MANAGEMENT OF MARINE MAMMALS (SEALS, WHALES) IN THE NORTHERN HEMISPHERE.

MAMMIFERES

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

MAN

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

ENVIRONMENTAL HEALTH CENTRE : THE ENVIRONMENTAL HEALTH DIRECTORATE SERVES TO PROTECT CANADIANS FROM HEALTH HAZARDS ASSOCIATED WITH NATURAL AND MAN-MADE ENVIRONMENTS, THE COMPONENTS OF WHICH ARE THE PHYSICAL, CHEMICAL AND TECHNOLOGICAL ENCOMPASSMENT IN WHICH MODERN MAN LIVES AND WORKS. ITS PROGRAM COMPONENT AND MANDATE HAVE BEEN IDENTIFIED AS BEING ENVIRONMENTAL CONTAMINANTS HAZARDS, RADIATION HAZARDS, AND MEDICAL-DEVICES SAFETY AND EFFICACY.

KALOW W : METABOLISM OF DRUGS AND CHEMICALS IN MAN; PERSON-TO-PERSON VARIATION IN THE METABOLIZING CAPACITY; GENETIC-DEFECTS OF METABOLISM AND ITS CONSEQUENCES.

MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

MANGANESE

STEVENSON L S : MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

MANGROVE

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

MANITOBA

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

MANUAL

SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

MANUFACTURERS

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

MANURE

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES. ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS. LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

MACKENZIE A F : LAND-USE AND WATER-QUALITY; FERTILIZER USE AND ENVIRONMENTAL EFFECTS; MANURE AS A FERTILIZER AND SUBSEQUENT ENVIRONMENT HAZARDS AND BENEFITS.

MAPPING

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING. ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

KESIK A : GEOMORPHOLOGICAL AND HYDROGRAPHICAL SURVEY AND MAPPING. COMPILATION OF THEMATIC MAPS BASED ON REMOTE-SENSING DATA.

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION. SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

MAPS

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

KESIK A : GEOMORPHOLOGICAL AND HYDROGRAPHICAL SURVEY AND MAPPING. COMPILATION OF THEMATIC MAPS BASED ON REMOTE-SENSING DATA.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA: ARCTIC COASTAL CLASSIFICATION.

REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

MARICULTURAL

DRUEHL LOUIS D : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.

MARINE

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

MARINE

BERMAN S S : TRACE-METAL ANALYSIS, PARTICULARLY IN MARINE MATERIALS. TRACE-METAL SEPARATIONS AND PRECONCENTRATION. INSTRUMENTAL-ANALYSIS.

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

DOUBLEDAY W G : POPULATION-DYNAMICS AND MANAGEMENT OF MARINE FISH AND MARINE MAMMALS.

GORDON DONALD : CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT. HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

GRAINGER E H : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

HARDING G C H : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

HAY G W : ANALYSIS OF CARBOHYDRATES IN SOIL, AND SURFACE AND MARINE WATERS.

HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

JOHNSON LIONEL : ARCTIC AQUATIC-BIOLOGY, EXPLOITATION OF ARCTIC FRESHWATER AND ANADROMOUS FISH-STOCKS. DEGRADATION OF ARCTIC MARINE AND FRESHWATERS. THEORETICAL APPROACHES TO STUDY OF ECOSYSTEMS.

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE.

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PAGE J A : TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

PERCY J A : ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

ROFF J C : BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS, CHEMICAL AND PHYSICAL OCEANOGRAPHY.

SCOTT J S : GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE. ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

SERGEANT D E : BIOLOGY AND MANAGEMENT OF MARINE MAMMALS (SEALS, WHALES) IN THE NORTHERN HEMISPHERE.

MARINE

SOUTH G R : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

STILES SA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILLAGE DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

WALTON A : MANAGEMENT OF RESEARCH AND RELATED SCIENTIFIC ACTIVITIES IN OCEANOGRAPHY AND ENVIRONMENTAL-QUALITY. POLICY-DEVELOPMENT IN INTERNATIONAL MARINE AFFAIRS.

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

MARINE-POLLUTION

GORDON DONALD : CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT. HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

PARSONS T R : MARINE-POLLUTION; FISHERIES; EXPERIMENTAL ECOSYSTEMS; RESEARCH; NUTRIENT-CYCLING; UNIVERSITY TEACHING.

VANDERMEULEN JOHN H : PETROLEUM-HYDROCARBON POLLUTION, MARINE-POLLUTION, COASTAL-ZONE MANAGEMENT.

MARINE-WATERS

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

MARSH

CAMERON DR B : COASTAL GEOLOGY. RESEARCH ON THE ORIGIN AND DEVELOPMENT OF BARRIER-ISLANDS AND ASSOCIATED BEACH, DUNEFIELD, MARSH AND SPIT SUB-ENVIRONMENTS.

MARSHES

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

MASS-SPECTRAL

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

MASS-SPECTROMETRIC

FOSTER M G : INVESTIGATION OF ENVIRONMENTAL SAMPLES TO CHARACTERIZE TRACE LEVEL ORGANIC CONTAMINANTS. THIS INVOLVES ANALYSIS PRIMARILY BY GC/MS AND OTHER MASS-SPECTROMETRIC TECHNIQUES. COMPARISON STUDIES USING IC/MS, DCI AND FD HAVE BEEN CARRIED OUT ON SOME ENVIRONMENTAL SAMPLES.

MASS-SPECTROMETRY

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

DAVIDSON WM R : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS, (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

SAKUMA T : APPLICATIONS OF TANDEM MASS-SPECTROMETRY FOR RAPID SCREENING OF POLYCHLORINATED DIBENZODIOXINS AND FURANS IN VARIOUS ENVIRONMENTAL MATRICES.

SLATER G P : DETERMINATION OF ORGANIC-COMPOUNDS IN WATER USING CAPILLARY GAS CHROMATOGRAPHY MASS-SPECTROMETRY.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, OSAR, ORGANIC-CHEMICALS.

MASS-SPECTROSCOPY

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

MATHEMATICAL

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

MOLTYANER GL : HYDROGEOLOGICAL, GEOCHEMICAL, AND MATHEMATICAL ASPECTS OF CONTAMINANT-TRANSPORT FROM WASTE-DISPOSAL SITES.

MATHEMATICAL-MODELLING

OLDHAM K B : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS, EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

MATHEMATICAL-MODELS

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

MATHEMATICAL-MODELS

MATHEMATICS

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS. BIOCHEMICAL GENETICS. APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

MEASURE

D'AURIA J M : DEVELOPMENT OF USE OF BIOLOGICAL-ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.

MEASUREMENT

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES. ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS. LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS. MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES. ECONOMIC INCENTIVE POLICIES. IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES. HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

KNIGHT G K : AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL. X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MCADIE H G : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.

MEHKERI K A : MEASUREMENT OF TOXIC-ELEMENTS AND TOXIC-GASES FROM VARIOUS CONSUMER PRODUCTS AND AS THE PRODUCTS OF COMBUSTION IN FIELD OF FIRE AND FLAMMABILITY.

SEREDA PETER J : CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

MEASUREMENT

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

WILLIAMS D A : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, QSAR, ORGANIC-CHEMICALS.

MEASUREMENTS

BOYCE F M : CIRCULATION AND THERMAL STRUCTURE OF LARGE LAKES. INSTRUMENTATION, FIELD MEASUREMENTS, DATA-PROCESSING AND ANALYSIS OF THE ABOVE.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

LAO ROBERT C : CHIEF OF THE DIVISION. TRACE-ORGANIC-ANALYSIS. GC/MS/COMPUTER SYSTEM. CHEMICAL AND PHYSICAL MEASUREMENTS OF POLLUTANTS.

ODGERS J : POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

TAMURA G T : RESEARCH ON MEASUREMENTS OF SOURCES AND INDOOR AIR-CONTAMINANTS; CONTROL ON CONTAMINANT LEVELS.

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

MEASURING

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

MEASURING-SYSTEMS

FORD J S : DEVELOPING AND DESIGNING MEASURING-SYSTEMS FOR ENVIRONMENTAL VARIABLES IN INLAND-WATERS; INSTRUMENT-DESIGN AND EVALUATION.

MECHANIZATION

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.

MEDICAL

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

MEDICAL-DEVICES

ENVIRONMENTAL HEALTH CENTRE : THE ENVIRONMENTAL HEALTH DIRECTORATE SERVES TO PROTECT CANADIANS FROM HEALTH HAZARDS ASSOCIATED WITH NATURAL AND MAN-MADE ENVIRONMENTS, THE COMPONENTS OF WHICH ARE THE PHYSICAL, CHEMICAL AND TECHNOLOGICAL ENCOMPASSMENT IN WHICH MODERN MAN LIVES AND WORKS. ITS PROGRAM COMPONENT AND MANDATE HAVE BEEN IDENTIFIED AS BEING ENVIRONMENTAL CONTAMINANTS HAZARDS, RADIATION HAZARDS, AND MEDICAL-DEVICES SAFETY AND EFFICACY.

MELANOMA

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

MERCURE

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES: TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

MERCURY

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.
DERKSEN A J : FISHERIES-BIOLOGY. ENVIRONMENTAL FACTORS AFFECTING FISH, FISH-HABITAT PROTECTION, WATER-QUALITY ASPECTS IN GENERAL. MERCURY IN FISH.
HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.
MCBRIDE B C : BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY-METALS. MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES.
MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.
SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.
ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

MEROMICTIC

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES. IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

METABOLIC-PRODUCTS

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO, NEEDLE-CASTS OF CONIFERS.

METABOLICS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

METABOLISM

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.
ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

METABOLISM

DOWNER R G H : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMINE LEVELS AND BEHAVIOUR; INSECTICIDE-DEVELOPMENT.

JONES G A : PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.

KALOW W : METABOLISM OF DRUGS AND CHEMICALS IN MAN; PERSON-TO-PERSON VARIATION IN THE METABOLIZING CAPACITY; GENETIC-DEFECTS OF METABOLISM AND ITS CONSEQUENCES.

KRAINTZ L : LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS. STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

SHAH B G : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES. BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

METABOLISME

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

METAL

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS: METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

METAL-FINISHING

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

METAL-IONS

LANGFORD C H : STUDIES OF SPECIATION OF METAL-IONS AND MOBILITIES OF PESTICIDES IN NATURAL WATER-SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

METAL-MINING

GARDINER R T : DEVELOPMENT AND APPLICATION OF RECLAMATION TECHNOLOGY FOR LAND DISTURBED BY COAL AND METAL-MINING IN BRITISH-COLUMBIA AND NORTHWEST-TERRITORIES.

METAL-SPECIATION

KRAMER J R : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL-SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

METAL-STRESSED

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

METAL-TOXICOLOGY

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

METALLIQUES

DRAPEAU ARNOLD J : RECHERCHE DE NOUVEAUX INDICATEURS DE POLLUTION: RECHERCHE SUR LES PROFILS METALLIQUES DES ORGANISMES; DEVELOPPEMENT DE NOUVELLES TECHNIQUES D'IDENTIFICATION DES MICROORGANISMES; ELEMENTS TOXIQUES.

METALLURGICAL

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

METALLURGICAL-EFFLUENTS

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT. IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

METALS

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

BOYLE R W : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

CHAU Y K : INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION. SPECIATION ANALYSIS OF ORGANOMETALS.

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. SCIENCE AND POLICY.

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

METALS

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

LOESCHER B R : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.

LUM K R : CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

NRIAGU JEROME O : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.

SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL-EXPOSURE. TRANSPORT FORMS OF COPPER IN HUMAN SERUM.

SPRAGUE J B : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC-ORGANISMS.

TIMBRES DH : ENVIRONMENTAL COORDINATOR OF METALS REFINING AND FERTILIZER COMPLEX.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

WONG P T S : TOXICITIES AND METHYLATION OF METALS (PB, AS, SE, CD, SN) AND ORGANIC COMPOUNDS (PCB, HCB, CHLOROBENZENES, PHTHALIC-ACID) ON PHYTOPLANKTON.

METAUX

ARNAC MICHEL-JEAN : CONTAMINATION D'ORGANISMES MARINS PAR LES METAUX (CD, CA, PB, ZN). DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES-SOLUBLES.

METAUX-LOURDS

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

METAUX-TOXIQUES

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

METAUX-TRACES

TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES ET LEUR ACCUMULATION DANS DES ORGANISMES-BIOLOGIQUES.

METEOROLOGICAL

BARRY P J : METEOROLOGICAL AND HYDROLOGICAL PROCESSES AT THE INTERFACE BETWEEN AIR-WATER, AIR-GROUND.

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

METEOROLOGIE

EAST C : METEOROLOGIE DE LA POLLUTION DE L'AIR TRANSPORT ET DIFFUSION DES POLLUANTS.

METEOROLOGY

CORNWALL B : FLUE-DUST SAMPLING. METEOROLOGY.

LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.

MORRISSEY E G : SATELLITE METEOROLOGY. RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.

METHANE

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS. STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS. BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

METHYLATION

CARTY A J : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

WONG P T S : TOXICITIES AND METHYLATION OF METALS (PB, AS, SE, CD, SN) AND ORGANIC COMPOUNDS (PCB, HCB, CHLOROBENZENES, PHTHALIC-ACID) ON PHYTOPLANKTON.

MICRO-COMPUTER

PILON PAUL J : STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS. FILLING-IN MISSING HYDROMETRIQUE RECORDS.

MICRO-COMPUTERS

HARRISON EJ : APPLICATION OF MINI AND MICRO-COMPUTERS TO LIMNOLOGICAL RESEARCH, BOTH IN SITU AND IN THE LABORATORY.

MICRO-CONTAMINENTS

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

MICRO-ENVIRONMENTAL

MICRO-ENVIRONMENTAL

YAMASAKI RS : MATERIAL BEHAVIOUR AND CHARACTERIZATION OF MICRO-ENVIRONMENTAL CONDITIONS TO WHICH ORGANIC BUILDING-MATERIALS ARE EXPOSED DURING OUTDOOR SERVICE. INFORMATION USED TO DEVELOP SHORT-TERM TEST TO PREDICT LONG-TERM DURABILITY.

MICROALGAE

HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON. SEA ICE MICROALGAE AND SEAWEED.

MICROANALYSE

OUELLETTE G B : PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.

MICROBEAM

FORER A : REARING OF CRANE FLIES IN THE LABORATORY, ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES, AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL-DIVISION.

MICROBIAL-DEGRADATION

INNISS W E : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.

MICROBIOLOGICAL

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

MICROBIOLOGICAL-ANALYSIS

CLARK JA : MICROBIOLOGICAL-ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION-INDICATOR BACTERIA

MICROBIOLOGICAL-ASSAYS

MOORE R L : MICROBIOLOGICAL-ASSAYS FOR ENVIRONMENTAL MONITORING. FOOD AND WATER MICROBIOLOGY.

MICROBIOLOGY

INNISS W E : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.

MICROBIOLOGY

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.
MOORE R L : MICROBIOLOGICAL-ASSAYS FOR ENVIRONMENTAL MONITORING. FOOD AND WATER MICROBIOLOGY.
RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.
ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.
SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.
WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS: ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS; ANTIBIOTIC BIOSYNTHESIS.

MICROCOMPUTER

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

MICROFLORA

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

MICROMETEOROLOGY

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.
HAGE K D : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.
MUNN R E : ENVIRONMENTAL-IMPACT-ASSESSMENT. DESIGN OF ENVIRONMENTAL MONITORING NETWORK. AIR-POLLUTION. MICROMETEOROLOGY.

MICROORGANISMES

DRAPEAU ARNOLD J : RECHERCHE DE NOUVEAUX INDICATEURS DE POLLUTION; RECHERCHE SUR LES PROFILS METALLIQUES DES ORGANISMES; DEVELOPPEMENT DE NOUVELLES TECHNIQUES D'IDENTIFICATION DES MICROORGANISMES; ELEMENTS TOXIQUES.

MICROORGANISMS

ALBRIGHT L J : INFLUENCES OF POLLUTANTS UPON MICROORGANISMS WITHIN AQUATIC-ENVIRONMENTS.
ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION, GROWTH, AND OXYGEN SENSITIVITY OF MICROORGANISMS.
GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.
INNISS W E : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.
JONES G A : PHYSIOLOGY AND METABOLISM OF ANAEROBIC MICROORGANISMS IN THE ENVIRONMENT; ROLE OF ANAEROBES IN RUMINANT DIGESTIVE METABOLISM.
KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.
ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

MICROORGANISMS

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS. MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

MICROPROCESSORS

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

MICROWAVE

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

WAN J K S : DISPOSAL OF CHEMICAL-WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE.

MIGRATION

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

GALE JE : HYDROGEOLOGY OF FRACTURED ROCKS AND CONTAMINANT MIGRATION. ROCK-MECHANICS, FRACTURE PROPERTIES. ENGINEERING GEOLOGY, FRACTURE CHARACTERIZATION.

HARDING G C H : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

MIGRATORY-BIRDS

REED AUSTIN : RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.

MILDEWS

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

MILK

MILK

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER MILK.

MILL-EFFLUENT

WYSLOUZIL D M : STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.

MILL-EFFLUENTS

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

MINE-DEPOSITS

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

MINE-TAILINGS

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

MINE-WASTES

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

MINE-WATER

JONGEJAN A : THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.

MINERAL

STEVENS GR : STRUCTURAL GEOLOGY. APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

WARREN H V : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

MINERAL-CYCLING

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING. FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

MINERAL-EXPLORATION

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

MINERALES

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

MINERALS

SHAH B G : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES, BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

STEVENSON L S : MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

MINEROLOGY

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

MINES

KNIGHT G K : AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

NANTEL J : RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.

THOMPKINS PROF RW : ACTIVE CONSULTANT ON THE DESIGN OF URANIUM MINES.

MINING

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.

MURRAY DJ : UNDERGROUND MINING ENVIRONMENT, ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES, QUARRIES, GRAVEL-PITS AND CRUSHING-PLANTS.

NANTEL J : RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

MINING

ROMANO L S : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND OFFSHORE MINING.

SILVER M : BIOTECHNOLOGY IN RELATION TO ENVIRONMENTAL ASPECTS OF THE MINING INDUSTRIES. TAILINGS, RADIONUCLIDES, LYSIMETERS.

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

STEVENSON J S : COMPOSITION OF DEEP SEA NODULES; PROBLEMS OF HEALTH RELATED TO MINING.

MINING-DEVELOPMENTS

HANSEN JA : ENVIRONMENTAL ASSESSMENT AND RESOURCE-MANAGEMENT ESPECIALLY AS THEY RELATE TO MINING-DEVELOPMENTS. RECLAMATION PLANNING AND IMPLEMENTATION ARE AN AREA OF CONCENTRATION WITHIN THE FRAMEWORK OF THESE STUDIES.

MINING-WASTES

WATKIN E M : RECLAMATION OF DRASTICALLY DISTURBED-LANDS WITH SPECIAL REFERENCE TO MINING-WASTES.

MODEL

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

VANDENBERG A : GROUNDWATER HYDROLOGY. MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

MODELES

COUILLARD DENIS : CARACTERISTIQUES DES EAUX-USEES. MODELES EN RIVIERES. TRAITEMENTS-DES-EAUX USEES. PLANIFICATION ET GESTION DES EAUX-USEES. EVALUATION DES IMPACTS.

MODELLING

AKENHEAD S A : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT, ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

DUTHIE H C : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS, DISPERSION, UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

LENNOX DH : HYDROGEOLOGY, SURFACE-WATER MODELLING, GLACIOLOGY, SNOW-AND-ICE PHENOMENA.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

MODELLING

MURPHY KEITH L : WATER AND WASTEWATER-TREATMENT PROCESSES; WATER-QUALITY MODELLING; ENVIRONMENTAL-IMPACT-ASSESSMENT.

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

ODGERS J : POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.

REID JD : PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.

STEPHENSON JOSEPH P : BIOLOGICAL WASTEWATER-TREATMENT; PROCESS OPERATIONS AND CONTROL; MODELLING; INSTRUMENTATION.

VANDENBERG A : GROUNDWATER HYDROLOGY, MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, QSAR, ORGANIC-CHEMICALS.

MODELS

ANDERSON P D : PRIMARY FOCUS OF RESEARCH IS THE DEVELOPMENT OF MODELS FOR THE ASSESSMENT OF THE TOXICITY OF MIXTURES OF ENVIRONMENTAL POLLUTANTS TO AQUATIC-ORGANISMS. OTHER STUDIES INVESTIGATE THE ROLE OF BIOLOGICAL FACTORS (E.G. SIZE, SPECIATION) ON TOXICITY TOLERANCE; TOXICO-KINETICS AND MECHANISMS.

GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

ROBERTS J RUSSELL : ASSESSMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL STANDARDS; PREDICTION OF FATE OF ORGANIC-CHEMICALS IN THE ENVIRONMENT; COORDINATION OF IMPACT AND CRITERIA ASSESSMENTS; MODELS FOR ACCUMULATION OF ORGANIC-CHEMICALS.

MOISTURE

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES; TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE; NUMERICAL WAVE FORECASTING; MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

MOLLUSCS

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

MONITOR

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

MONITORING

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING, INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

CARTER J A : BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.

CIHLAR J : APPLICATIONS OF REMOTE-SENSING TECHNIQUES (AIRBORNE AND SATELLITE) TO THE INVENTORY, MONITORING AND MANAGEMENT OF NATURAL-RESOURCES.

CURRIE ROBERT A : MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS; PARTICLE-SIZING; ODOUR-MEASUREMENT AND CONTROL; DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS. LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT; SOLID-WASTE DISPOSAL.

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

GUTHRIE JE DR : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

KRAINTZ L : LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.

LEE HENRY : ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER MILK.

MOORE R L : MICROBIOLOGICAL-ASSAYS FOR ENVIRONMENTAL MONITORING. FOOD AND WATER MICROBIOLOGY.

MUNN R E : ENVIRONMENTAL-IMPACT-ASSESSMENT. DESIGN OF ENVIRONMENTAL MONITORING NETWORK. AIR-POLLUTION. MICROMETEOROLOGY.

PALMER CJ : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

MONITORING

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.

RUBEC C D A : ECOLOGICAL LAND-SURVEY, APPLICATIONS, LAND-MANAGEMENT AND DATA-SYSTEMS, LAND-USE MONITORING.

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

SEAGEL GC : HYDROLOGIC MONITORING AND ANALYSIS AND RIVER-BEHAVIOUR STUDIES, BOTH FOR ENVIRONMENTAL INVESTIGATIONS AND PROJECT DESIGN. MULTI-AND INTER-DISCIPLINARY PROJECT MANAGEMENT AND COORDINATION FOR PROJECT PLANNING AND ENVIRONMENTAL INVESTIGATIONS.

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH, LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

WILLIAMS D T : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN-TISSUES. REMOVAL OF ORGANIC CONTAMINANTS FROM DRINKING-WATER.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

YOUNG G J : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

MONITORING-NETWORKS

MEISEN A : ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.

MONITORING-SYSTEMS

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

MONITORS

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

MONOAMINES

DOWNER R G H : EFFECTS OF INSECTICIDES AND OTHER AGRICULTURAL CHEMICALS ON METABOLISM AND CONCENTRATION OF MONOAMINES IN THE NERVOUS-SYSTEMS OF TARGET AND NON-TARGET ANIMALS; CORRELATIONS BETWEEN MONOAMINE LEVELS AND BEHAVIOUR; INSECTICIDE-DEVELOPMENT.

MONOCULTURE

CHAMBERLAND E : ETUDE SUR LE DESTIN DES ENGRAIS CHIMIQUES A LONG TERME ET LEUR EFFET SUR LES PROPRIETES DU SOL. EXAMEN DES SOLS EN PROFONDEUR DANS DES PARCELLES DE CHAMPS VOUES AUX GRANDES CULTURES: PRAIRIES, CEREALES, MONOCULTURE DE MAIS ETC.

MOOSE

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL): WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

MORPHOLOGICAL

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

MORPHOLOGY

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL): WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

DORE DR W G : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

MOSSES

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

MOTHS

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

MOTOR-VEHICLE

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE. NATURAL-GAS METERING AT HIGH PRESSURE. USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

MOTOR-VEHICLES

SHANTORA V : DIVISION RESPONSIBLE FOR THE DEVELOPMENT OF ENVIRONMENTAL-PROTECTION MEASURES RELATED TO MOTOR-VEHICLES, PIPELINES, SHIPPING, ROADS AND PORTS AND HARBOURS.

MOULD

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

MOULIN

OLIVIER ISABELLE : SUPERVISEUR DE L'ENVIRONNEMENT DANS UN MOULIN DE PATES-ET-PAPIERS I.E. SEULEMENT DU CONTROLE, PAS DE RECHERCHE.

MUDS

CARTER J A : BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT-ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.
MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

MULCHES

MAURER A R : EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

MULTIPLE-USE-PLANNING

BOYD F C : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT, ENVIRONMENTAL-IMPACT ASSESSMENTS; MULTIPLE-USE-PLANNING AND POLICY DEVELOPMENT.

MUNICIPAL

BIRKBECK A E : INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT, WATER-RECIRCULATION (EG. FISH-HATCHERIES), LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.
CAMERON R D : SOLID-WASTE COLLECTION, TREATMENT DISPOSAL, MUNICIPAL UTILITIES DESIGN, CONSTRUCTION MANAGEMENT, WASTEWATER-TREATMENT AND DISPOSAL.
GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.
KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.
LAKSHMAN G : ENVIRONMENTAL-POLLUTION, USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.
LAMB A : DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES, CLIENT LIAISON, PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.
SIMPSON K J : HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS, MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.
SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

MUNICIPAL-WASTES

JONGEJAN A : THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.
LAUGHLIN R G W : DEVELOPMENT OF WASTE-TREATMENT TECHNOLOGY, DEVELOPMENT OF USES FOR INDUSTRIAL AND MUNICIPAL-WASTES, OPERATION OF THE CANADIAN WASTE MATERIALS EXCHANGE PROGRAMME.

MUSCLE

NICHOLLS DORIS : THE EFFECT OF HEAVY-METALS ON MRNA TRANSLATION AND ON ENZYME ACTIVITY, ESPECIALLY ON KIDNEY, LIVER, AND MUSCLE OF MAMMALS AND FISH.

MUSHROOMS

TOWNSLEY P M : INDUSTRIAL FERMENTATIONS, BIOTECHNOLOGY, WASTE: HIGH TEMPERATURE PROCESSING, MUSHROOMS.

MUTAGENESIS

NASIM A : MECHANISMS OF MUTATION IN YEAST, ENVIRONMENTAL MUTAGENESIS AND CARCINOGENESIS, TRANSPOSABLE ELEMENTS.

MUTAGENESIS

MUTAGENIC

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

MUTAGENICITY

LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.

MUTAGENS

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

MUTATION

NASIM A : MECHANISMS OF MUTATION IN YEAST, ENVIRONMENTAL MUTAGENESIS AND CARCINOGENESIS. TRANSPOSABLE ELEMENTS.

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY: DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION-MONITORING.

MYCOBACTERIA

MANKIEWICZ E : MYCOBACTERIA: GENETICS, IMMUNOLOGY-PHAGES INFECTIOUS-DISEASES.

MYCOLOGIE

OUELLETTE G B : PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.

MYCOLOGY

KENDRICK WB : MYCOLOGY, ESPECIALLY MOLDS (HYPHOMYCETES), SYSTEMATICS, ECOLOGY, DEVELOPMENT.

MYCOTOXIN

ABRAMSON D : MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS. DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

YOUNG JC : RESEARCH IN THE INCIDENCE, NATURE, CAUSES AND CONSEQUENCES OF MYCOTOXIN RELATED PROBLEMS CAUSED BY FUNGI.

MYCOTOXINS

ABRAMSON D : MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS. DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

MYCOTOXINS

SCOTT P M : RESEARCH ON MYCOTOXINS, PRIMARILY ON ANALYTICAL METHODS, EFFECTS OF FOOD-PROCESSING ON MYCOTOXINS, AND ISOLATION FROM FUNGI. CURRENT INTERESTS INCLUDE DEOXYNIVALENAL (VOMITOXIN) AND OTHER TRICHOTHECENES FROM FUSARIUM SPECIES.

NAQUADAT

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

NATIONAL-PARK

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

NATURAL-GAS

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

NATURAL-RESOURCE

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

NATURAL-RESOURCES

CIHLAR J : APPLICATIONS OF REMOTE-SENSING TECHNIQUES (AIRBORNE AND SATELLITE) TO THE INVENTORY, MONITORING AND MANAGEMENT OF NATURAL-RESOURCES.

NATURALIST

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

NEAR-SHORE

SCARRATT D J : IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS.

NEEDLE-CASTS

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO, NEEDLE-CASTS OF CONIFERS.

NEUROTOXICOLOGY

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

NEW-BRUNSWICK

NEW-BRUNSWICK

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.
HINDS H R : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS.

NEWFOUNDLAND

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

NICKEL

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.
HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.
HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.
WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES. CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

NITRATE

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

NITRIFICATION

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

NITRITE-NITRATE-N-NICROSO

CHOW Y L : INVESTIGATION OF NITRITE-NITRATE-N-NICROSO COMPOUND CHAINS IN ENVIRONMENTAL SAMPLES. FORMATION, OCCURRENCE AND DESTRUCTION OF CHLORINATED-COMPOUNDS IN THE HUMAN ENVIRONMENT.

NITRO-SAMINES

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

NITROGEN

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.
HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.
KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.
STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

NITROGEN-FIXATION

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

NODULES

STEVENSON J S : COMPOSITION OF DEEP SEA NODULES; PROBLEMS OF HEALTH RELATED TO MINING.

STEVENSON L S : MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

NOISE

KARIEL H G : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

SAINTSBURY J A : GAS-TURBINE COMBUSTION AND EMISSIONS. RESEARCH AND DEVELOPMENT OF SIMPLE AUTOMOBILE GAS-TURBINE COMBUSTORS FOR LOW EMISSIONS. DESIGNING SMALL GAS TURBINE ENGINES FOR LOW NOISE AND CLEAN EXHAUST. ATMOSPHERIC TEST OF A VARIABLE GEOMETRY COMBUSTION FOR LOW EMISSIONS. EMISSIONS RESEARCH ON A SIMPLE VARIABLE GEOMETRY GAS-TURBINE COMBUSTOR.

SMYTHE L A MS : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

WHICKER DJ : NOISE AND VIBRATION-MEASUREMENT, ANALYSIS AND CONTROL.

NORDIQUES

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

NORTHERN

HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).

LEWIS CA : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

SCHWASS R D : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

SERGEANT D E : BIOLOGY AND MANAGEMENT OF MARINE MAMMALS (SEALS, WHALES) IN THE NORTHERN HEMISPHERE.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

NORTHERN

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

NORTHERN-POLICY

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

NORTHWEST-TERRITORIES

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

GARDINER R T : DEVELOPMENT AND APPLICATION OF RECLAMATION TECHNOLOGY FOR LAND DISTURBED BY COAL AND METAL-MINING IN BRITISH-COLUMBIA AND NORTHWEST-TERRITORIES.

IRONSIDE G R : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON-TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

LEWIS CA : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.

NOVA-SCOTIA

BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

NUCLEAIRE

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

NUCLEAR

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

NUCLEAR-ENERGY

CHARLESWORTH DH : ENVIRONMENTAL-PROTECTION RELATED TO THE STUDY AND USE OF NUCLEAR-ENERGY. RADIOACTIVE-WASTE MANAGEMENT.

NUCLEAR-FUEL

STEWART R B : ANALYTICAL-CHEMISTRY FOR NUCLEAR-FUEL WASTE-DISPOSAL.

NUCLEAR-GENERATING-STATIONS

MUIR JOHN : DESIGN AND CONTROL TECHNOLOGIES FOR MINIMIZING AIR AND WATER-RELATED ENVIRONMENTAL CONCERNS WITH NUCLEAR-GENERATING-STATIONS. RESEARCH ON AIR AND WATER-POLLUTION CONTROL AT CANDU NUCLEAR-GENERATING-STATIONS.

NUCLEAR-PLANTS

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

NUCLEAR-POWER

DRAPER D W : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR-POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.

NUCLEAR-WASTE

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

STEVENS GR : STRUCTURAL GEOLOGY. APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

NUCLEPORE-FILTER

MELO O T : AEROSOL-SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME-CHEMISTRY RESEARCH.

NUCLIDES

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

NURSERIES

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

NURSERY

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

NUTRIENT

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

NUTRIENT

BAYLY ISABEL DR : DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS; WATER-QUALITY. ACID-PRECIPITATION EFFECTS ON FOREST SEEDLINGS.

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

KENG J C W : SOIL-PHYSICS AND SOIL AND WATER-ENGINEERING. FARM-SOIL AND WATER-MANAGEMENT. NUTRIENT MOVEMENT IN SOIL PROFILE AND GROUNDWATER POLLUTIONS.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

YAN N D : INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.

NUTRIENT-CYCLING

GORDON A G : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

NEAME P A : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

PARSONS T R : MARINE-POLLUTION; FISHERIES; EXPERIMENTAL ECOSYSTEMS; RESEARCH; NUTRIENT-CYCLING; UNIVERSITY TEACHING.

WEIN R W : RESEARCH INTERESTS INCLUDE USE OF FIRE IN RANGE, AGRICULTURE AND FORESTRY AREAS. BASIC STUDIES INTERESTS INCLUDE POST FIRE NUTRIENT-CYCLING AND PRIMARY PRODUCTION.

NUTRIENTS

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

RAAD AWNI : SOIL-SCIENTIST WITH MAJOR WORK IN CALCAREOUS SOILS AND THE INFLUENCE OF CACO3 ON NUTRIENTS MOBILITY IN SOILS.

WIGGINS G B : RESEARCH CONCERNED WITH BIOSYSTEMATICS OF TRICHOPTERA (CADDISFLIES), AN ORDER OF AQUATIC INSECTS IMPORTANT IN THE TRANSFER OF ENERGY AND NUTRIENTS IN ALL TYPES OF FRESHWATER HABITATS.

NUTRITION

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

HUNT J R : RESEARCH ON THE NUTRITION AND MANAGEMENT OF POULTRY AND RABBITS.

NUTRITION

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

RAO A V : NUTRITIONAL TOXICOLOGY, ENVIRONMENTAL CONTAMINATION OF FOOD. EXPERTISE IN THE AREA OF FOOD SCIENCE, NUTRITION AND TOXICOLOGY.

NUTRITIONAL

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

RAO A V : NUTRITIONAL TOXICOLOGY, ENVIRONMENTAL CONTAMINATION OF FOOD. EXPERTISE IN THE AREA OF FOOD SCIENCE, NUTRITION AND TOXICOLOGY.

N2-FIXATION

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

N2-FIXING

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS. SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

OAT-BREEDER

MCKENZIE R I H : OAT-BREEDER AND GENETICIST. THE DEVELOPMENT OF BETTER AND MORE DISEASE-RESISTANT OATS FOR THE EASTERN CANADIAN PRAIRIES.

OCCUPATIONAL

DOLOVICH JERRY : ALLERGY, OCCUPATIONAL ASTHMA, ALLERGIC ALVEOLITIS, DRUG-REACTIONS.

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.

NEWHOUSE M T : EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.

RITCHIE A : PATHOLOGY OF OCCUPATIONAL LUNG-DISEASE.

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY: DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION-MONITORING.

OCCUPATIONAL-EXPOSURE

SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL-EXPOSURE. TRANSPORT FORMS OF COPPER IN HUMAN SERUM.

OCCUPATIONAL-HEALTH

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

ELLENBERGER H : ANALYSIS AND INTERPRETATION OF RESULTS ASSOCIATED WITH CLINICAL TOXICOLOGY, OCCUPATIONAL-HEALTH, STREET DRUG ANALYSES.

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

OCCUPATIONAL-HEALTH

MASTROMATTED DR E : TOXICOLOGICAL AND EPIDEMIOLOGICAL RESEARCH INTO A VARIETY OF OCCUPATIONAL-HEALTH PROBLEMS.

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL. CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.

STAIRS RA : ACID-PRECIPITATION: METHODS OF ESTIMATION OF ACIDITY. OCCUPATIONAL-HEALTH AND SAFETY, HAZARDOUS-WASTE MANAGEMENT.

OCCUPATIONAL-TOXICOLOGY

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

OCEAN

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

CLODMAN STEPHEN : SHORT-RANGE COMPUTER WEATHER-FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

SOUTH G R : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

OCEAN-DUMPING

KARAU J H : NATIONAL MANAGER OF THE OCEAN-DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

OCEAN-FLOOR

STEVENSON L S : MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

OCEAN-MANAGEMENT

HANSON A J : FISHERIES AND OCEAN-MANAGEMENT. RESOURCE ECOLOGY AND DEVELOPMENT. FOREST-BIOMASS FOR ENERGY. INTERNATIONAL DEVELOPMENT AND THE ENVIRONMENT WITH EXPERTISE IN SOUTHEAST ASIA AND CARIBBEAN.

OCEANOGRAPHIC

AKENHEAD S A : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT, ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.

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SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

OCEANOGRAPHY

AKENHEAD S A : FISHERIES OCEANOGRAPHY, BIOLOGICAL OCEANOGRAPHY, FISHERIES-MANAGEMENT. ECOLOGICAL MODELLING. HYDROGRAPHY, OCEANOGRAPHIC INSTRUMENTS.

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

GORDON DONALD : CHEMICAL OCEANOGRAPHY, MARINE ECOLOGY, MARINE-POLLUTION, ENVIRONMENTAL-IMPACT. HIGH ENERGY, MACRO-TIDAL, TURBID COASTAL-ENVIRONMENTS.

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH, PRIMARILY INVOLVING NUTRIENTS, OXYGEN, ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA, BAFFIN-BAY, THE CANADIAN ARCHIPELAGO, AND THE ARCTIC-OCEAN.

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

ROFF J C : BROAD EXPERTISE IN AQUATIC-SCIENCES BOTH MARINE, ESTUARINE AND FRESHWATER. BIOLOGICAL PELAGIC ECOSYSTEMS, CHEMICAL AND PHYSICAL OCEANOGRAPHY.

WALTON A : MANAGEMENT OF RESEARCH AND RELATED SCIENTIFIC ACTIVITIES IN OCEANOGRAPHY AND ENVIRONMENTAL-QUALITY. POLICY-DEVELOPMENT IN INTERNATIONAL MARINE AFFAIRS.

OCEANS

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES: TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE: NUMERICAL WAVE FORECASTING: MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

ODONATES

FERNET L : ENTOMOLOGIE-ECOLOGIE: INVENTAIRE DES ODONATES: GASPESIE, CAP JASEUX. ODONATES INDICATEURS DE LA NATURE DU MILIEU. EMERGENCE DES ODONATES DU SAGUENAY.

ODOROUS

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

ODOUR

ABRAMSON D : MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS, DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

YURKOWSKI M : MUDDY ODOUR COMPOUNDS IN WATER AND ORGANISMS.

ODOUR-ANALYSIS

SMITH DS : SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.

ODOUR-MEASUREMENT

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

ODOUROUS

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

OFFSHORE

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION

RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND OFFSHORE MINING

SCARRATT D J : IMPLICATIONS OF ENVIRONMENTAL PERTURBATIONS ON FISHERIES AND FISH-HABITAT WITH PARTICULAR REFERENCE TO ESTUARINE, NEAR-SHORE AND OFFSHORE INDUSTRIAL-DEVELOPMENTS

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

OFFSHORE-DEVELOPMENTS

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

OFFSHORE-DRILLING

CARTER J A : BENTHIC-ECOLOGY, ENVIRONMENTAL-IMPACT ASSESSMENT, MONITORING OF FATE AND EFFECTS OF OFFSHORE-DRILLING MUDS IN ARCTIC AND EAST COAST.

OIL

BROWN R G B : THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.

COOK JD : ENVIRONMENTAL COORDINATION CONTACT FOR IMPERIAL OIL LIMITED, ITS OPERATING FUNCTIONS AND SUBSIDIARIES.

DRAPER D W : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR-POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE, HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY, ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH: HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION

PEAKALL D B : ENVIRONMENTAL-POLLUTANTS (ESPECIALLY OIL) ON REPRODUCTION OF BIRDS, ESPECIALLY ALTERATION OF PHYSIOLOGY AND BIOCHEMISTRY.

RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND OFFSHORE MINING

OIL

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS. COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS: ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS: ANTIBIOTIC BIOSYNTHESIS.

OIL-HYDROCARBONS

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

OIL-RECOVERY

LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.

OIL-SANDS

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

OIL-SLICKS

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

LAU Y L : RIVER-MECHANICS: MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

OIL-SPILL

ABBOTT F S : TESTING OIL-SPILL DISPERSANTS; USE OF DISPERSANTS; BIODEGRADATION.

BOSTON N E J : PHYSICAL OCEANOGRAPHY: AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

CZORNYJ NESTOR : PLANNING, COORDINATING AND DIRECTING, PROVIDING OF TECHNICAL EXPERTISE IN BIOLOGICAL OXIDATION, AIR AND WATER-EMISSIONS AND OIL-SPILL PROBLEMS INCLUDING ORGANIZATION AND TEACHING AT AN OIL-SPILL SCHOOL.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE, ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

MANSFIELD B H : OIL-SPILL COUNTERMEASURES, HAZARDOUS-MATERIAL SPILLS, CONTINGENCY-PLANNING FOR EMERGENCIES OF ALL TYPES. ENVIRONMENTAL EMERGENCY PREVENTION, ALERTING, REPORTING AND RESPONSE.

TEDESCHI E T T : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

OIL-SPILLAGE

STILES SA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILLAGE DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.

OIL-SPILLS

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

ODGERS J : POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.

OILSEED-CROPS

BOWREN K E : TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

QURESHI FA : PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES, CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS, EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

OILSEEDS

ABRAMSON D : MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS. DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

ONTARIO

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

JORGENSEN ERIK : SILVICULTURE; ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO, SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

LANDIS H : ENVIRONMENTAL-LAW. GENERAL COUNSEL TO THE MINISTRY OF THE ENVIRONMENT (ONTARIO) AND SENIOR SOLICITOR TO THE FORMER ONTARIO WATER-RESOURCES COMMISSION.

PROTZ R : SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

OPERATIONS

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

FORSTER AB : FORESTRY, LAND-MANAGEMENT, FOREST ECONOMICS, NATURAL RESOURCE ECONOMICS, OPERATIONS RESEARCH AND ECONOMETRICS AS IT APPLIES TO FORESTRY.

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS, OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

STEPHENSON JOSEPH P : BIOLOGICAL WASTEWATER-TREATMENT; PROCESS OPERATIONS AND CONTROL; MODELLING; INSTRUMENTATION.

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

OPERATIONS

WILLIAMS D A : AIR-POLLUTION MEASUREMENT: AMBIENT AND SOURCE EMISSION MEASUREMENT. COORDINATION OF OPERATIONS OF NATIONAL AIR-POLLUTION-SURVEILLANCE NETWORK.

OPTICS

CARSWELL A I : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

ORCHIDS

HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).

ORDINATEUR

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU, ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.

ORES

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

ORGANIC-CHEMICAL

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

ORGANIC-CHEMICALS

PEPPER J M : CHEMICAL NATURE OF THE MAJOR COMPONENTS OF BIOMASS (PARTICULARLY LIGNIN AND CELLULOSE) AND THEIR POTENTIAL UTILIZATION AS SOURCES OF ALTERNATE ENERGY AND INDUSTRIAL ORGANIC-CHEMICALS.

ROBERTS J RUSSELL : ASSESSMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL STANDARDS: PREDICTION OF FATE OF ORGANIC-CHEMICALS IN THE ENVIRONMENT: COORDINATION OF IMPACT AND CRITERIA ASSESSMENTS: MODELS FOR ACCUMULATION OF ORGANIC-CHEMICALS.

STRACHAN W M J : INVESTIGATION OF PERSISTENT ORGANIC-CHEMICALS IN THE AQUATIC-ENVIRONMENT ESPECIALLY THEIR FATE AND DISTRIBUTION.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL. CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, QSAR, ORGANIC-CHEMICALS.

ORGANIC-CHEMISTRY

SEIF FARHAD : ORGANIC-CHEMISTRY. ENVIRONMENTAL PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT.

SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

ORGANIC-COMPOUNDS

POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

SLATER G P : DETERMINATION OF ORGANIC-COMPOUNDS IN WATER USING CAPILLARY GAS CHROMATOGRAPHY MASS-SPECTROMETRY.

ORGANIC-COMPOUNDS

TELANG SADANAND A : EFFECTS OF MAN'S ACTIVITY ON WATER-QUALITY IN TERMS OF ORGANIC-COMPOUNDS. TRANSPORT OF CARBON IN THE MAJOR RIVERS OF CANADA.

ORGANIC-MATERIALS

HALL CD : ANALYSIS OF DRINKING-WATER FOR EVIDENCE OF INDUSTRIAL-CONTAMINATION BY HAZARDOUS ORGANIC-MATERIALS, INCLUDING LEGAL CASES WHEN NECESSARY. DEVELOPING AND MAINTAINING METHODS OF ANALYSIS. INTERPRETING RESULTS FOR USE IN THE FIELD.

ORGANIC-SOLVENTS

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

ORGANIC-WASTES

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES. ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS. LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

ORGANICS

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

CHAU Y K : INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION. SPECIATION ANALYSIS OF ORGANOMETALS.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

ORGANISMES-BIOLOGIQUES

TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES ET LEUR ACCUMULATION DANS DES ORGANISMES-BIOLOGIQUES.

ORGANISMS

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

FLETCHER R A : MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

ORGANISMS

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

IVERSON S L : EFFECTS OF IONIZING RADIATION ON ORGANISMS AND ECOLOGICAL SYSTEMS; MOVEMENT OF RADIONUCLIDES IN THE CANADIAN ENVIRONMENT.

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

RYAN PM : FRESHWATER BIOLOGY. FACTORS DETERMINING THE ABUNDANCE AND DISTRIBUTION OF FRESHWATER ORGANISMS. GENERAL LIMNOLOGY. AQUATIC-ECOLOGY.

SUNDARAM K M S : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

YURKOWSKI M : MUDDY ODOUR COMPOUNDS IN WATER AND ORGANISMS.

ORGANO-METALLICS

CHAU Y K : INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION. SPECIATION ANALYSIS OF ORGANOMETALS.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

ORGANOCHLORINE

CURRIE ROBERT A : MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.

ORGANOCHLORINES

HARDING G C H : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

ORGANOHALOGENATED-COMPOUNDS

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

ORGANOPHOSPHATES

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

ORNAMENTAL-PLANTS

HARPER D S : EFFECTS OF AIR-POLLUTANTS, SPECIFICALLY GASEOUS AIR-POLLUTANTS, ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.

ORNEMENTALES

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

ORNITHOLOGIE

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL: LOISIR ORNITHOLOGIQUE.

ORNITHOLOGIQUE

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL: LOISIR ORNITHOLOGIQUE.

ORNITHOLOGY

PRICE IOLA : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS, LOONS, HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

OTTAWA

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY, PUBLICATIONS, SPEAKERS, DISPLAYS ETC.

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

OUTDOOR

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

KARIEL H G : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

YAMASAKI RS : MATERIAL BEHAVIOUR AND CHARACTERIZATION OF MICRO-ENVIRONMENTAL CONDITIONS TO WHICH ORGANIC BUILDING-MATERIALS ARE EXPOSED DURING OUTDOOR SERVICE. INFORMATION USED TO DEVELOP SHORT-TERM TEST TO PREDICT LONG-TERM DURABILITY.

OUTDOOR-EDUCATION

EAGLES P F J : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK-PLANNING, OUTDOOR-EDUCATION AND ENVIRONMENTAL-ASSESSMENT. PUBLICATION FORTHCOMING IN 1984.

OUTFALLS

OUTFALLS

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS. DISPERSION. UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

OVERWINTERING

MAURER A R : EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES. PLASTIC-TUNNELS ETC.

RING R A : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL-INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

OXIDANTS

YOUNG JWS : LRTAP. TOXIC-CHEMICALS. ENERGY. NORTH. GREAT-LAKES WATER-QUALITY. AIR-QUALITY. CLIMATE-CHANGE. OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

OXIDATION

CZORNYJ NESTOR : PLANNING. COORDINATING AND DIRECTING. PROVIDING OF TECHNICAL EXPERTISE IN BIOLOGICAL OXIDATION. AIR AND WATER-EMISSIONS AND OIL-SPILL PROBLEMS INCLUDING ORGANIZATION AND TEACHING AT AN OIL-SPILL SCHOOL.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

OXIDES

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT. INCLUDING N2-FIXATION. NITRIFICATION. DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

OXYDATION

LACOURSIERE JP : CHEF DE SERVICE SANTE. SECURITE ET ENVIRONNEMENT. ELIMINATION DES SULFURES PAR OXYDATION CATALYTIQUE EN PHASE GAZEUSE COMPTE RENDU AWTR/FACE 1983.

OXYGEN

ARCHIBALD FS : MICROBIAL ACQUISITION AND METABOLISM OF METALS. FERMENTATION. GROWTH. AND OXYGEN SENSITIVITY OF MICROORGANISMS.

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES.FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY. ALGAL CONTROL. PREDICTIONS OF LAKE-PRODUCTIVITY: CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN. CARBON. OXYGEN. URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H. 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS: DISSOLVED OXYGEN: NUTRIENTS: BACTERIA: TRACE-CONTAMINANTS: CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

HOUSTON A H : PHYSIOLOGICAL ECOLOGY OF FISHES: RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY.

JONES E P : CHEMICAL OCEANOGRAPHY RESEARCH. PRIMARILY INVOLVING NUTRIENTS. OXYGEN. ALKALINITY AND CARBONATE. AREAS STUDIED INCLUDE THE LABRADOR-SEA. BAFFIN-BAY. THE CANADIAN ARCHIPELAGO. AND THE ARCTIC-OCEAN.

OLDHAM K B : APPLICATION OF ELECTROCHEMICAL METHODS TO CHEMICAL-ANALYSIS. EG. DISSOLVED OXYGEN. METHODOLOGY FOR ACCESSING BATTERY PERFORMANCE. MATHEMATICAL-MODELLING.

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING. TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS. AND INDUSTRIAL WASTE-TREATMENT.

OYSTERS

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

OZONE

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

OZONE-DAMAGE

GAYED S K : CHEMICAL-CONTROL OF OZONE-DAMAGE ON TOBACCO AND PEANUTS AS WELL AS OTHER POLLUTANTS.

PAINT

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

PAKISTAN

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

PALAEARCTIC

WONG H R : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA: SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE ARCTIC AND PALAEARCTIC SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

PALEOCLIMATOLOGY

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY, PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES. RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

PALEOLIMNOLOGICAL

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

PALEOLIMNOLOGY

DUTHIE H C : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

PANAMA

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

PAPERMILL

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

PARASITE

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN. CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

PARASITES

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL); WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

MARGOLIS LEO : DISEASES AND PARASITES OF FISHES. PARASITES OF MARINE MAMMALS AND INVERTEBRATES. EFFECTS OF ENVIRONMENTAL ALTERATION ON PARASITES AND DISEASES OF AQUATIC ANIMALS.

SCOTT J S : GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE. ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

PARASITISM

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

PARASITOLOGY

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL); WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

PARK

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

PARK-PLANNING

EAGLES P F J : AUTHORITY IN ENVIRONMENTALLY SENSITIVE AREA PLANNING AND MANAGEMENT, PARK-PLANNING, OUTDOOR-EDUCATION AND ENVIRONMENTAL-ASSESSMENT. PUBLICATION FORTHCOMING IN 1984.

HERRERO STEPHEN : RESEARCH AND PLANNING NECESSARY TO GENERATE SUSTAINABLE BENEFITS TO PEOPLE FROM CONSERVATION ORIENTED DEVELOPMENT OF RENEWABLE-RESOURCES. EXPERTISE IN WILDLIFE-MANAGEMENT AND PARK-PLANNING.

PARKS

DONALDSON G R : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

NELSON JG : HUMAN-ECOLOGY: RESOURCE-MANAGEMENT (NATIONAL PARKS AND RELATED RESERVES IN THE NORTH). COASTAL USE AND MANAGEMENT.

SCACE DR R C : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

PARTICLE-SIZING

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

SMITH DS : SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.

PARTICULATE

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

MAYNARD DG : AIR-POLLUTION AND PARTICULATE DEPOSITION EFFECTS ON FOREST-SOILS.

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

PARTICULATE-MEASUREMENT

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

PARTICULATE-SIZING

CRABBE R S : DEPOSITION AND DISPERSION OF PARTICULATES IN THE ATMOSPHERE; DESIGN OF PARTICULATE-SIZING INSTRUMENTATION.

PARTICULATES

CRABBE R S : DEPOSITION AND DISPERSION OF PARTICULATES IN THE ATMOSPHERE; DESIGN OF PARTICULATE-SIZING INSTRUMENTATION.

MEISEN A : ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.

PASSERINES

PEARCE P A : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY.

PATENT

LUTWICK GD : REMOVAL OF ARSENIC FROM RURAL WELL-WATERS BY ION-EXCHANGE WITH FERRIC-HYDROXIDE. PATENT.

WAN J K S : DISPOSAL OF CHEMICAL-WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES; DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE.

PATENTED

BOADWAY J D : SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS. PULP-AND-PAPER INDUSTRY AND PROCESSES. DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT. PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

PATES-ET-PAPIERS

OLIVIER ISABELLE : SUPERVISEUR DE L'ENVIRONNEMENT DANS UN MOULIN DE PATES-ET-PAPIERS I.E. SEULEMENT DU CONTROLE, PAS DE RECHERCHE.

PATHOGENIC

BURPEE LL : PLANT-PATHOLOGY; BIOLOGY AND CONTROL OF SOIL-BORNE PATHOGENIC FUNGI ON WHEAT AND TURFGRASSES.

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

PATHOGENS

HOPKINS JOHN C : IDENTIFICATION AND STUDIES ON FOREST PATHOGENS AND THEIR CONTROL WITH EMPHASIS ON CANKER-FUNGI AND COLD-STORAGE FUNGI.

PATHOLOGIE-VEGETALE

OUELLETTE G B : PATHOLOGIE-VEGETALE: RELATIONS HOTE-PATHOGENES AU MOYEN: TECHNIQUES MICROSCOPIE ELECTRONIQUE (TRANSMISSION, ET BALAYAGE ET MICROANALYSE) ET IMMUNOCYTOCHIMIQUES. DETECTION DE TEST DE SUBSTANCES ANTIFONGIQUES. MYCOLOGIE: GENERALE EG ULTRA-STRUCTURE.

PATHOPHYSIOLOGY

KING M : EXAMINING THE EFFECT OF CIGARETTE-SMOKE EXPOSURE ON VARIOUS ASPECTS OF PULMONARY PATHOPHYSIOLOGY IN DOGS. STUDIES ON THE EFFECT OF SULPHUR-DIOXIDE EXPOSURE IN THE SAME SYSTEM.

PATHWAY

LUSH DONALD L : ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.

MARKS GERALD S : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

PATHWAYS

PATHWAYS

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

KUDO A : DISTRIBUTION, TRANSPORT, TRANSFER AND TRANSFORMATION OF TOXIC-MATERIALS (INCLUDING RADIOACTIVE MATERIALS) IN THE AQUATIC ENVIRONMENT, ESPECIALLY PATHWAYS OF HEAVY-METALS.

OLIVER B G : PATHWAYS OF ORGANIC CONTAMINANTS IN SEDIMENTS; BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

PCB

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

WONG P T S : TOXICITIES AND METHYLATION OF METALS (PB, AS, SE, CD, SN) AND ORGANIC COMPOUNDS (PCB, HCB, CHLOROBENZENES, PHTHALIC-ACID) ON PHYTOPLANKTON.

PCBS

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

GRANT D L : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

WAN J K S : DISPOSAL OF CHEMICAL-WASTE BY NOVEL MICROWAVE INDUCED CATALYTIC TECHNIQUES: DESTRUCTION OF PCBS. SOME OF OUR WORK HAS BEEN PUBLISHED IN OPEN AND PATENT LITERATURE.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

PEANUT-CROPS

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

PEAT

CHAPPELL M S : CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS. TRACE-ELEMENT GEOCHEMISTRY.

PEAT-BOG

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

PEATLAND

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

PEATLAND

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

PEATLANDS

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

PELAGIC-ECOLOGY

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PEOPLE

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

HERRERO STEPHEN : RESEARCH AND PLANNING NECESSARY TO GENERATE SUSTAINABLE BENEFITS TO PEOPLE FROM CONSERVATION ORIENTED DEVELOPMENT OF RENEWABLE-RESOURCES. EXPERTISE IN WILDLIFE-MANAGEMENT AND PARK-PLANNING.

MCCLAREN M : DECISION-MAKING AND PROBLEM SOLVING BEHAVIOUR WITH A FOCUS ON ENVIRONMENTAL-ISSUES AND/OR PROBLEMS, WITH PARTICULAR REFERENCE TO THE EDUCATION OF PEOPLE FOR IMPROVED ABILITY IN PROBLEM-SOLVING.

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY. EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

PERMAFROST

MACKAY DK : SURFACE-WATER HYDROLOGY, PERMAFROST HYDROLOGY.

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

PEROXIDES

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

PERU

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

PEST-CONTROL

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.
SECOY D M : HERPETOLOGY, SPECIFICALLY REPTILES: BIRDS: ECOLOGY OF HIGH-LATITUDE VERTEBRATES: HISTORY OF PRE-INDUSTRIAL PEST-CONTROL.
SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY. INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).
STEWART R K : INSECT ECOLOGY, PEST-MANAGEMENT, ENVIRONMENTAL-IMPACT, INSECT PEST-CONTROL.

PEST-CONTROL-PRODUCTS-ACT

MILLSON M F : THE COMMERCIAL CHEMICALS DIVISION EVALUATES SCIENTIFIC EVIDENCE ON POTENTIAL EFFECTS OF PESTICIDES ON THE ENVIRONMENT AND PROVIDES ADVICE TO THE CANADIAN REGULATORY-AUTHORITY FOR THE PEST-CONTROL-PRODUCTS-ACT.

PESTICIDE

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.
REID JD : PLANETARY BOUNDARY-LAYER STUDIES, ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.
ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.
SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

PESTICIDE-ECOLOGY

PEARCE P A : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY

PESTICIDE-LEGISLATION

BROWNE K W : PESTICIDE-LEGISLATION, WITH INTEREST IN CHEMICALS MODE OF ACTION AND DELIVERY EQUIPMENT.

PESTICIDE-RESIDUES

CURRIE ROBERT A : MONITORING OF FOODS FOR PESTICIDE-RESIDUES INCLUDING ORGANOCHLORINE AND ORGANOPHOSPHORUS INSECTICIDES AND VARIOUS HERBICIDES.
SIMARD R M : SPECIALIZATION IN PESTICIDE-RESIDUES. ANALYSIS OF FOOD.

PESTICIDE-SPRAY

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

PESTICIDES

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.
AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.
BAKER B E : PESTICIDES AND HERBICIDE RESIDUES IN SOIL AND WATER; METHODS OF CONFIRMATION.

PESTICIDES

BEHARRIELL RH : EDITOR OF PROBE-POST: CANADA'S ENVIRONMENTAL MAGAZINE. PROBE-POST FEATURES ARTICLES, NEWS AND ANALYTICAL COMMENT ON A WIDE RANGE OF ENVIRONMENTAL ISSUES, SUCH AS ACID-RAIN, PESTICIDES, TOXIC-WASTES, AND ENERGY-CONSERVATION.

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

CHIBA M DR : PESTICIDE-RESIDUE ANALYSIS: METHOD DEVELOPMENT TO TRACE FATE OF PESTICIDES.

DAVIDSON WM R : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

DROUIN JAMES A : DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

FLETCHER R A : MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

GRANT W F : CYTOGENETIC EFFECTS OF ENVIRONMENTAL CHEMICALS PRIMARILY PESTICIDES.

GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.

GULLON A C : CURRENTLY DEVELOPING DATA-BASE ON DIRECT POLLUTION BY CONSUMERS IN CANADA (E.G. AUTOMOBILE-EMISSIONS, PESTICIDES USED BY CONSUMERS).

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES. EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

LANGFORD C H : STUDIES OF SPECIATION OF METAL-IONS AND MOBILITIES OF PESTICIDES IN NATURAL WATER-SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

LERER H : PESTICIDES: EVALUATION AND REGULATION; ENVIRONMENTAL-IMPACT-ASSESSMENT; AGRICULTURAL PRACTICES RELATING TO PESTICIDES; TOXIC-CHEMICALS MANAGEMENT.

MALLET V : CHIMIE-ANALYTIQUE; POLLUANTS-CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT DE METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH, HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

MILLSON M F : THE COMMERCIAL CHEMICALS DIVISION EVALUATES SCIENTIFIC EVIDENCE ON POTENTIAL EFFECTS OF PESTICIDES ON THE ENVIRONMENT AND PROVIDES ADVICE TO THE CANADIAN REGULATORY-AUTHORITY FOR THE PEST-CONTROL-PRODUCTS-ACT.

PANISSET J C : TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES. MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

PHILOGENE BJR : LUTTE CONTRE LES INSECTES. UTILISATION DES PESTICIDES ET LEUR IMPACT; LUTTE INTEGREE.

PLATONOW N : TOXICOLOGICAL-EVALUATION OF FOOD-ADDITIVES, PESTICIDES AND CONTAMINANTS. TOXICOLOGIST IN AREA OF FOOD-PRODUCING DOMESTIC ANIMALS.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

READ D C : TOXICITY AND PERSISTENCE OF PESTICIDES IN SOIL AND PLANT-TISSUE.

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

SEMELUK G P : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

PESTICIDES

SHEMANCHUK J A : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS: CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

TU C M : INTERACTION BETWEEN PESTICIDES AND SOIL-MICROORGANISMS.

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY. EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

PESTS

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

MCCLANAHAN R J : BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES; REVISION OF CONTROL RECOMMENDATIONS.

QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS: CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

PETROCHEMICALS

MEISEN A : ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.

PETROLE

PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.

PETROLEUM

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

PETROLEUM

KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

PERCY J A : ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

SVRCEK W Y : WATER-QUALITY; PETROLEUM BY-PRODUCTS.

PETROLEUM-EXPLORATION

MCTAGGART COWAN J : MANAGER, ENVIRONMENTAL STUDIES REVOLVING FUND (EMR). IN CONJUNCTION WITH ESRF (IAND) FINANCES NECESSARY ENVIRONMENTAL AND SOCIAL-STUDIES RELATING TO PETROLEUM-EXPLORATION AND DEVELOPMENT ON CANADA LANDS.

PETROLEUM-HYDROCARBON

VANDERMEULEN JOHN H : PETROLEUM-HYDROCARBON POLLUTION, MARINE-POLLUTION, COASTAL-ZONE MANAGEMENT.

PETROLEUM-HYDROCARBONS

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

PETROLEUM-INDUSTRY

CORMACK A C : SAFETY AND ENVIRONMENTAL MATTERS IN THE PETROLEUM-INDUSTRY.

PETROLEUM-POLLUTION

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

PH

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

PALMER CJ : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.

PHENOL

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

PHENOLIC

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY, GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

PHEROMONES

DROUIN JAMES A : DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.

RING R A : ECOLOGY AND PHYSIOLOGY OF OVERWINTERING BIOLOGY IN ARCTIC AND ALPINE-INSECTS. ECOLOGY OF INTERTIDAL-INSECTS. USE OF PHEROMONES IN INSECT-CONTROL.

PHILIPPINES

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

PHOSPHATE

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

PHOSPHORUS

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

PETERS R H : ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS, CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

TODD AD : PLANT EXPERIENCE IN THE HANDLING, TRANSFER, AND IN EMERGENCY RESPONSE PROCEDURES FOR SODIUM-CHLORATE, YELLOW PHOSPHORUS, RED AMORPHOUS PHOSPHORUS, PHOSPHORUS SESQUISULPHIDE AND PHOSPHORIC-ACID.

PHOTO-INTERPRETATION

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

PHOTOCHEMICAL

SEMELUK G P : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

PHOTOCHEMISTRY

SCHROEDER WILLIAM H : ATMOSPHERIC CHEMISTRY; ATMOSPHERIC PHOTOCHEMISTRY; MERCURY AND ITS COMPOUNDS IN THE ENVIRONMENT; HEAVY-METALS, AMBIENT-AIR; TOXIC-CHEMICALS; ATMOSPHERIC-TRANSPORT, TRANSFORMATION AND ENVIRONMENTAL FATE.

PHOTOELECTRON

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

PHOTOGRAPHIC

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

PHOTOGRAPHY

JONES L E : HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.

PHOTOLYSIS

SEMELUK G P : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.
UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

PHOTOSYNTHESE

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

PHYCOLOGY

SOUTH G R : MARINE PHYCOLOGY. EXPERIMENTAL ECOLOGY, FLORISTICS, LABORATORY CULTURE, LIFE-HISTORIES OF BENTHIC MARINE MACROALGAE. MARINE BIOGEOGRAPHY OF THE NORTH ATLANTIC OCEAN.

PHYSICS

JONES L E : HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.
ROWLES CHARLES A : SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

PHYSIOLOGICAL

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.
HOUSTON A H : PHYSIOLOGICAL ECOLOGY OF FISHES: RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY.
HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.
MALHOTRA S S : AIR-POLLUTANTS: IMPACT ON FOREST-VEGETATION AND SOILS; PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF FOREST-VEGETATION; SYMPTOMATOLOGY OF INJURY TO FOREST-VEGETATION.
MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES, INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

PHYSIOLOGICAL

PERCY J A : ECOLOGY-PHYSIOLOGY OF ARCTIC MARINE INVERTEBRATES; SHORT AND LONG-TERM RESPONSES TO ENVIRONMENTAL STRESSES, PARTICULARLY THOSE ASSOCIATED WITH SEASONAL OSCILLATIONS IN THE ENVIRONMENT. PHYSIOLOGICAL EFFECTS OF PETROLEUM ON ARCTIC MARINE INVERTEBRATES.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

PHYSIOLOGIE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

PHYTO-ZOOPLANCTON

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

PHYTOPLANCTON

COUTURE PIERRE : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIREE) POUR DETERMINER LA QUALITE DE L'EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE.

PHYTOPLANKTON

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

DUTHIE H C : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON. SEA ICE MICROALGAE AND SEAWEED.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

TAYLOR F J R : ECOLOGY OF BRITISH-COLUMBIA AND TROPICAL PHYTOPLANKTON. RED-TIDES. CIGUATERA FISH-POISONING. DINOFLAGELLATES.

WONG P T S : TOXICITIES AND METHYLATION OF METALS (PB, AS, SE, CD, SN) AND ORGANIC COMPOUNDS (PCB, HCB, CHLOROBENZENES, PHTHALIC-ACID) ON PHYTOPLANKTON.

PHYTOTOXICOLOGY

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY; BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

PICEA-MARIANA

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

PINS

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

PIPELINE

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

SMITH C R : ENVIRONMENTAL-PLANNING INCLUDING CORRIDOR, (HIGHWAY, PIPELINE, HYDRO) ENVIRONMENTAL-ASSESSMENT, NEW COMMUNITY-PLANNING AND HISTORICAL-ECOLOGY.

PIPELINES

BOLUBASH G M : RECOMMEND AND PREPARE GUIDELINES ON THE TECHNIQUES TO BE EMPLOYED DURING AND AFTER CONSTRUCTION TO MINIMIZE THE ENVIRONMENTAL-IMPACT OF THE INSTALLATION OF PIPELINES. PREPARE ENVIRONMENTAL REPORTS ON GAS PIPELINE PROJECTS. MONITOR GOVERNMENT REQUIREMENTS FOR ENVIRONMENTAL-PROTECTION AND DEVELOP COMPANY GUIDELINES AND SPECIFICATIONS WHICH INCORPORATE THESE REQUIREMENTS.

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

SHANTORA V : DIVISION RESPONSIBLE FOR THE DEVELOPMENT OF ENVIRONMENTAL-PROTECTION MEASURES RELATED TO MOTOR-VEHICLES, PIPELINES, SHIPPING, ROADS AND PORTS AND HARBOURS.

WILSON D J : RISK-ASSESSMENT; GAS BLOWOUTS; PIPELINES.

PLANKTON

YAN N D : INFLUENCE OF ACIDIFICATION AND NUTRIENT ENRICHMENT ON AQUATIC-BIOTA, PRINCIPALLY ON PLANKTON OF FRESHWATER LAKES.

PLANT

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS. ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

PLANT

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

TODD AD : PLANT EXPERIENCE IN THE HANDLING, TRANSFER, AND IN EMERGENCY RESPONSE PROCEDURES FOR SODIUM-CHLORATE, YELLOW PHOSPHORUS, RED AMORPHOUS PHOSPHORUS, PHOSPHORUS SESQUISULPHIDE AND PHOSPHORIC-ACID.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

PLANT-ECOLOGY

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

PLANT-GROWTH

FLETCHER R A : MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

PLANT-NUTRIENT

BATES T E : PLANT-NUTRIENT RESPONSE AND TOXICITY. HEAVY-METAL AVAILABILITY TO PLANTS, SOIL-FERTILITY.

PLANT-NUTRIENTS

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

PLANT-NUTRITION

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

PLANT-PATHOLOGIST

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

PLANT-PATHOLOGY

BURPEE LL : PLANT-PATHOLOGY; BIOLOGY AND CONTROL OF SOIL-BORNE PATHOGENIC FUNGI ON WHEAT AND TURFGRASSES.

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

PLANT-PHYSIOLOGIST

QURESHI FA : PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES. ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES. CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS. EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

PLANT-SOIL

ZOLTAI S C : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

PLANT-TISSUE

READ D C : TOXICITY AND PERSISTENCE OF PESTICIDES IN SOIL AND PLANT-TISSUE.

PLANTATION

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

SUTTON ROY F : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION-SILVICULTURE) IN THE BOREAL-FOREST; ALSO SCIENTIFIC/TECHNICAL EDITING.

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

PLANTATIONS

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

SILVERSIDES CR : TIMBER-HARVESTING (ENVIRONMENTAL-IMPACT) SHORT ROTATION FORESTRY-ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

PLANTES

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

PLANTING-STOCK

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

PLANTS

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

BATES T E : PLANT-NUTRIENT RESPONSE AND TOXICITY. HEAVY-METAL AVAILABILITY TO PLANTS, SOIL-FERTILITY.

PLANTS

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

DAVIS DR E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES.

DORE DR W G : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

HINDS H R : IDENTIFICATION AND DISTRIBUTION OF NEW-BRUNSWICK VASCULAR PLANTS.

HOFSTRA G : AIR-POLLUTION IMPACT ON PLANTS. AIR-POLLUTION DISEASE INTERACTION. EFFECTS OF ENVIRONMENTAL-STRESS ON PLANTS.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

LAKSHMAN G : ENVIRONMENTAL-POLLUTION. USING AQUATIC PLANTS FOR REMOVING NUTRIENTS, HEAVY-METALS AND TOXIC-CHEMICALS FROM MUNICIPAL AND INDUSTRIAL- EFFLUENTS. AQUATIC PLANTS AS ENERGY CROPS. ECOLOGICAL ASPECTS OF ENVIRONMENTAL-POLLUTION. HYDROLOGY. DEVELOPMENT OF RESEARCH PROGRAMS TO ASSIST COMMUNITIES AND INDUSTRIES.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

PLASTICS

LEIDNER J : RECYCLING OF PLASTICS. PUBLICATION OF "PLASTICS WASTE, RECOVERY OF ECONOMIC VALUE". NEW YORK, M. DEKKER, 1981.

PLOMB

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

PLUIES-ACIDES

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

PLUME-CHEMISTRY

MELO O T : AEROSOL-SCIENCE. NUCLEPORE-FILTER TECHNIQUE. PLUME-CHEMISTRY RESEARCH.

PLUME-RISE

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

POLAROGRAPHY

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

POLICIES

BERKES DR F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

MCCUAIG J D : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

POLICY

ARCHDEKIN LW : URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

BIRD P M : HEADED NATIONAL RADIATION-PROTECTION PROGRAM. PARTICIPATION IN INTERGOVERNMENTAL POLICY MEETINGS. DIRECTED DEVELOPMENT OF CLEAN-AIR-ACT. MEMBER OF ENVIRONMENTAL-ASSESSMENT PANEL. CURRENTLY WORKING ON PREPARATION OF NATIONAL STATE OF THE ENVIRONMENT REPORT.

BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

BOYD F C : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE. FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT ASSESSMENTS; MULTIPLE-USE-PLANNING AND POLICY DEVELOPMENT.

FENGE TAE : LAND-USE POLICY AND PLANNING IN ARCTIC AND SUBARCTIC AREA WITH SPECIFIC REFERENCE TO ENVIRONMENTAL CONSERVATION.

FORESTER AJ : METALS IN AQUATIC-ECOSYSTEMS. IMPACT OF AIR-POLLUTANTS ON HEALTH AND ENVIRONMENT. SCIENCE AND POLICY.

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY-INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE, (CMEA).

LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

MCKELLAR J : HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING, BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

MITCHELL WB : RIVER-BASIN MANAGEMENT; FLOODPLAIN REGULATION; PUBLIC-PARTICIPATION; POLICY AND PROGRAM EVALUATION; INSTITUTIONAL ARRANGEMENTS.

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

POLICY

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

SCHWASS R D : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

SHALINSKY W : SMALL GROUPS IN PLANNING AND POLICY. ENVIRONMENTS OF THE DISABLED. SERVICES FOR THE DISABLED. SOCIAL-PLANNING. RELATIONSHIP BETWEEN SOCIAL-PLANNING AND PHYSICAL (LAND-USE) PLANNING

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

VEEMAN T S : WATER-RESOURCES POLICY. LAND-USE POLICY. WORLD FOOD PROBLEM. ENVIRONMENTAL AND RESOURCE ECONOMICS.

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY, EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

POLICY-ANALYSIS

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

POLICY-DEVELOPMENT

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.

WALTON A : MANAGEMENT OF RESEARCH AND RELATED SCIENTIFIC ACTIVITIES IN OCEANOGRAPHY AND ENVIRONMENTAL-QUALITY. POLICY-DEVELOPMENT IN INTERNATIONAL MARINE AFFAIRS.

POLICY-FORMULATION

MARSHALL D WI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

POLICY-MAKING

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

POLICY-PLANNING

POLICY-PLANNING

DWIVEDI O P : ENVIRONMENTAL POLICY-PLANNING AND MANAGEMENT. ENVIRONMENTAL LEGISLATION. ACCOUNTABLE ENVIRONMENTAL-MANAGEMENT. INTERGOVERNMENTAL AND INTERNATIONAL ENVIRONMENTAL RELATIONS. NORTH-SOUTH ENVIRONMENTAL RELATIONS. AND ENVIRONMENTAL ADMINISTRATION.

PERKS W T : STRATEGIC AND DEVELOPMENT PLANNING; URBAN-DEVELOPMENT; ENVIRONMENTAL EDUCATION AND TRAINING; POLICY-PLANNING AND ANALYSIS.

POLICY-STUDIES

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA. SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND. REGIONAL-DEVELOPMENT. HUMAN-SETTLEMENTS. AND RECREATIONAL RESOURCES.

POLITICAL

LEWIS CA : ENVIRONMENTAL ASPECTS OF POLITICAL. SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES. PLANS AND PROGRAMS IN NORTHERN CANADA. YUKON AND NORTHWEST-TERRITORIES.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD. LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR. WATER AND GROUND-POLLUTION. TECHNICAL. POLITICAL. REGULATORY. MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

POLLEN

BASSETT I J : STUDIES OF AIRBORNE POLLEN IN CANADA AND THEIR ALLERGENIC SIGNIFICANCE.

POLLUANTS

EAST C : METEOROLOGIE DE LA POLLUTION DE L'AIR TRANSPORT ET DIFFUSION DES POLLUANTS.

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

POLLUANTS-CHIMIQUES

MALLET V : CHIMIE-ANALYTIQUE; POLLUANTS-CHIMIQUES; DEPUIS PLUSIEURS ANNEES J'OEUVRE DANS LE DEVELOPPEMENT DE METHODES D'ANALYSE DE PESTICIDES. UNE PARTIE DE MON TRAVAIL CONSISTE A IDENTIFIER LES PRODUITS DE LA DEGRADATION DE CES SUBSTANCES CHIMIQUES.

POLLUTANT

NRIAGU JEROME O : CYCLING OF POLLUTANT METALS IN THE ENVIRONMENT; IMPACTS OF ACID-RAIN ON AQUATIC-ECOSYSTEMS.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS. ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS. CLIMATIC-CHARACTERISTICS. AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING. FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

POLLUTANTS

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS. COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

ALBRIGHT L J : INFLUENCES OF POLLUTANTS UPON MICROORGANISMS WITHIN AQUATIC-ENVIRONMENTS.

ANDERSON P D : PRIMARY FOCUS OF RESEARCH IS THE DEVELOPMENT OF MODELS FOR THE ASSESSMENT OF THE TOXICITY OF MIXTURES OF ENVIRONMENTAL POLLUTANTS TO AQUATIC-ORGANISMS. OTHER STUDIES INVESTIGATE THE ROLE OF BIOLOGICAL FACTORS (E.G. SIZE. SPECIATION) ON TOXICITY TOLERANCE; TOXICO-KINETICS AND MECHANISMS.

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

BROWN R G B : THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.

CASE J W : USE OF STABLE ISOTOPE MASS-SPECTROMETRY TO MONITOR DISTRIBUTION AND MOVEMENT OF NATURAL COMPOUNDS AND POLLUTANTS IN THE ENVIRONMENT; BIOMONITORING AIR-POLLUTION IMPACT USING LICHENS AND MOSSES.

POLLUTANTS

D'AURIA J M : DEVELOPMENT OF USE OF BIOLOGICAL-ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

DAVIDSON WM R : MANAGER OF RESEARCH AND DEVELOPMENT INCLUDING METHOD AND APPLICATION DEVELOPMENT ORIENTED TOWARDS THE ENVIRONMENTAL MARKET. AREAS OF CURRENT INTEREST INCLUDE DIOXINS, PESTICIDES, PRIORITY POLLUTANTS AND TOXICS IN AIR: IN ALL CASES, TANDEM MASS-SPECTROMETRY IS USED AS THE ANALYTICAL TOOL.

FREEMAN HARRY C : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

GAYED S K : CHEMICAL-CONTROL OF OZONE-DAMAGE ON TOBACCO AND PEANUTS AS WELL AS OTHER POLLUTANTS.

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

KROUSE H R : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

LAO ROBERT C : CHIEF OF THE DIVISION. TRACE-ORGANIC-ANALYSIS. GC/MS/COMPUTER SYSTEM. CHEMICAL AND PHYSICAL MEASUREMENTS OF POLLUTANTS.

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

LUM K R : CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

SUNDARAM K M S : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES MANAGEMENT. TREATMENT TECHNOLOGY.

WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT: CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS: ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS: ANTIBIOTIC BIOSYNTHESIS.

POLLUTION

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

CARTY A J : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

DICK R : DESIGN, MANUFACTURE AND OPERATION OF INSTRUMENTATION FOR REMOTE-SENSING OF ENVIRONMENTAL POLLUTION.

DRAPEAU ARNOLD J : RECHERCHE DE NOUVEAUX INDICATEURS DE POLLUTION; RECHERCHE SUR LES PROFILS METALLIQUES DES ORGANISMES; DEVELOPPEMENT DE NOUVELLES TECHNIQUES D'IDENTIFICATION DES MICROORGANISMES; ELEMENTS TOXIQUES.

EAST C : METEOROLOGIE DE LA POLLUTION DE L'AIR TRANSPORT ET DIFFUSION DES POLLUANTS.

FOX C : WORKING TO REDUCE POLLUTION, TO PROMOTE THE MAINTENANCE OF A HEALTHY LIVEABLE ENVIRONMENT, TO CONSERVE ENERGY, RENEWABLE AND NON-RENEWABLE RESOURCES BY BRINGING THESE ISSUES TO THE ATTENTION OF THE PUBLIC AND DECISION-MAKERS.

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

GULLON A C : CURRENTLY DEVELOPING DATA-BASE ON DIRECT POLLUTION BY CONSUMERS IN CANADA (E.G. AUTOMOBILE-EMISSIONS, PESTICIDES USED BY CONSUMERS).

POLLUTION

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

HARRINGTON JB : FOREST-METEOROLOGY; POLLUTION METEOROLOGY; AGRICULTURAL METEOROLOGY; EMPHASIS ON WIND AND DISPERSION.

INTL MARINE ENVIRONMENTALISTS INC : ENVIRONMENTAL AND ENGINEERING CONSULTING FIRM WITH EXPERTISE IN: ENVIRONMENTAL-IMPACT-STUDIES, POLLUTION STUDIES, FISHERIES, COASTAL CIRCULATION, COASTAL PROCESSES, MONITORING AND TECHNICAL DEVELOPMENT.

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND-RUNOFF TO THE POLLUTION OF RECEIVING WATERS. FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

ODGERS J : POLLUTION DUE TO COMBUSTION, ESPECIALLY IN GAS-TURBINES. MODELLING OF COMBUSTION PROCESSES. EFFECTS OF ALTERNATIVE-FUELS UPON COMBUSTOR PERFORMANCE. COMBUSTION OF OIL-SPILLS. GASEOUS FUELS: MEASUREMENTS OF FLAME SPEED AND COMBUSTION LIMITS.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

SEREDA PETER J : CORROSION AND DETERIORATION OF BUILDING-MATERIALS, PARTICULARLY THE IDENTIFICATION AND MEASUREMENT OF ATMOSPHERIC FACTORS AFFECTING PERFORMANCE. DEVELOPED METHOD FOR MEASUREMENT OF THE TIME-OF-WETNESS ON SURFACES AND CORRELATED CORROSION WITH THIS PARAMETER AND POLLUTION BY SO2 AND CHLORIDES.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

VANDERMEULEN JOHN H : PETROLEUM-HYDROCARBON POLLUTION, MARINE-POLLUTION, COASTAL-ZONE MANAGEMENT.

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

POLLUTION-ABATEMENT

BETTS J L : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION-ABATEMENT TECHNOLOGY.

JONGEJAN A : THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

POLLUTION-CONTROL

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

DRAPER D W : MANAGEMENT OF SCIENTIFIC INVESTIGATIONS AND POLLUTION-CONTROL TECHNOLOGY EVALUATION PROGRAMS FOR FOSSIL-FUELLED AND NUCLEAR-POWER, AND OIL AND GAS PRODUCTION AND PROCESSING. DEVELOPMENT AND CONDUCT OF ENVIRONMENTAL-PROGRAMS FOR NEW ENERGY TECHNOLOGIES.

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

SAMPATH P : GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

POLLUTION-CONTROL

SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL. CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY. IMPACT AND RISK-ASSESSMENT. AIR-QUALITY MONITORING.

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT. CONSTRUCTION ADMINISTRATION. SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES. GENERATION. TRANSMISSION. DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL. ENVIRONMENTAL STUDIES. BUILDING-AUTOMATION DESIGNS.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT. WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER. SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

POLLUTION-DEPOSITION

REID JD : PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND. WIND-ENERGY. TURBULENCE. POLLUTION-DEPOSITION. AIR-WATER INTERACTION. PESTICIDE SPRAY-DRIFT. AIR-QUALITY MODELLING. AIRFLOW MODELLING.

POLLUTION-EFFECTS

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE. THEIR DISTRIBUTION. GROWTH. LIFE-CYCLES. HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

POLLUTION-INDICATOR

CLARK JA : MICROBIOLOGICAL-ANALYSIS OF DRINKING-WATER SAMPLES FOR POLLUTION-INDICATOR BACTERIA

POLLUTION-PROBE

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL. PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

POLLUTION-PROBE-FOUNDATION

POLLUTION PROBE FOUNDATION : THE POLLUTION-PROBE-FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS. CORPORATIONS. COMMUNITIES AND GOVERNMENTS TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

POLONIUM

SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM. LEAD. POLONIUM. THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

POLYAROMATIC-HYDROCARBONS

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

POLYCHLORINATED

SAKUMA T : APPLICATIONS OF TANDEM MASS-SPECTROMETRY FOR RAPID SCREENING OF POLYCHLORINATED DIBENZODIOXINS AND FURANS IN VARIOUS ENVIRONMENTAL MATRICES.

POLYCHLORINATED-BIPHENYLS

MARKS GERALD S : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

POLYCYCLIC-AROMATIC

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS. (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

POLYCYCLIC-AROMATIC-HYDROCARBONS

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

POLYCYCLIC-HYDROCARBONS

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

POLYELECTROLYTE

GEHR R : RESEARCH INVOLVES PHYSICAL AND BIOLOGICAL WASTEWATER-TREATMENT. DISSOLVED AIR-FLOTATION; POLYELECTROLYTE USAGE AND BREAKDOWN; ROTATING BIOLOGICAL-CONTACTORS, AEROBIC-DIGESTION AT LOW TEMPERATURES.

POLYSACCHARIDES

YAPHE W : CHEMICAL STRUCTURE OF ALGAL POLYSACCHARIDES, AGAR AND CARRAGEENAN, DETERMINED USING AGARASES, CARRAGEENASES AND 13C NMR. CELL WALL POLYSACCHARIDES FROM GELIDIUM, GRACILARIA, CHONDRUS, EUCHEUMA GIGARTINA, ETC.

POMACE

PHINIOTIS E : CHEMICAL-ENGINEERING; FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

POND

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

PONDS

RETALLACK JOHN T : AQUATIC ECOLOGY; TAILINGS PONDS; TAR-SANDS.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

POPULAIONS

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.

POPULATION

BOYLE TG : PLANTATION FOREST MANAGEMENT. EDUCATION IN POPULATION AND QUANTITATIVE GENETICS, BIOCHEMICAL GENETICS, APPLIED MATHEMATICS. RESEARCH IN GENETIC BASIS FOR IMPROVEMENT OF PICEA-MARIANA.

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

HARVEY H H : KINDS AND ABUNDANCE OF FISHES IN RELATION TO ENVIRONMENTAL FACTORS: ACID-PRECIPITATION; LAKE-ACIDIFICATION, FISH RESPONSES, BOTH POPULATION AND INDIVIDUAL FISH-COMMUNITY STRUCTURE.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

STICH H F : EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.

WESELOH DV : LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.

POPULATION-DYNAMICS

BIDGOOD FE DR : FRESHWATER FISHERIES BIOLOGY. POPULATION-DYNAMICS, PHYSIOLOGY OF FRESHWATER FISHES. MANIPULATION OF ECOSYSTEMS.

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

BOYD H : STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

DOUBLEDAY W G : POPULATION-DYNAMICS AND MANAGEMENT OF MARINE FISH AND MARINE MAMMALS.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES. INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

MINNS CHARLES K : SYSTEMS ANALYSES OF VARIOUS ASPECTS OF FISHERIES AND ENVIRONMENTAL PROBLEMS, INCLUDING POPULATION-DYNAMICS, EUTROPHICATION AND ACID-RAIN.

SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

POPULATION-ECOLOGY

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

POPULATION-GENETICS

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

MORGENSTERN E K : FOREST-GENETICS, FOREST TREE-BREEDING, POPULATION-GENETICS, SILVICULTURE.

POPULATION-MONITORING

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY: DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION-MONITORING.

POPULATIONS

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL; LOISIR ORNITHOLOGIQUE.

DICKMAN M : AQUATIC-ECOLOGY, PHYTOPLANKTON, LIMNOLOGY, MEROMICTIC LAKES, IMPACT STUDIES OF HEAVY-METALS, ACID-RAIN AND 2,4-D ON LAKE ALGAL AND HIGHER AQUATIC-PLANT POPULATIONS.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

POROSITY-PERMEABILITY

SIMPSON F : POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

PORTS

SHANTORA V : DIVISION RESPONSIBLE FOR THE DEVELOPMENT OF ENVIRONMENTAL-PROTECTION MEASURES RELATED TO MOTOR-VEHICLES, PIPELINES, SHIPPING, ROADS AND PORTS AND HARBOURS.

POTABLE

COTE P A : CONTROLE DE QUALITE DE L'EAU POTABLE (EAU-POTABLE).

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

POTABLE-WATER

POTABLE-WATER

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

POTABLE-WATERS

DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

POTASH

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

POTATO

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

POULTRY

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

HUNT J R : RESEARCH ON THE NUTRITION AND MANAGEMENT OF POULTRY AND RABBITS.

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION. SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. CONTAMINATION OF BARBECUED CHICKENS. CANNED FOOD METHODOLOGY. PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY. CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

POWER

DOMIER DR KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL-ENGINEERING: POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.

HUGHES F P : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING, COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

POWER-GENERATION

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING, POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

POWER-PLANTS

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

POWER-STATIONS

HUGHES F P : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

PRAIRIE

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE. SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

PRAIRIE-PROVINCES

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

PRAIRIES

CHAMBERLAND E : ETUDE SUR LE DESTIN DES ENGRAIS CHIMIQUES A LONG TERME ET LEUR EFFET SUR LES PROPRIETES DU SOL. EXAMEN DES SOLS EN PROFONDEUR DANS DES PARCELLES DE CHAMPS VOUES AUX GRANDES CULTURES; PRAIRIES, CEREALES, MONOCULTURE DE MAIS ETC.

MCKENZIE R I H : OAT-BREEDER AND GENETICIST. THE DEVELOPMENT OF BETTER AND MORE DISEASE-RESISTANT OATS FOR THE EASTERN CANADIAN PRAIRIES.

PRECIPITATION

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MUNZ R J : ELECTROSTATIC PRECIPITATION. HIGH TEMPERATURE GAS-SOLID SEPARATION.

SANDERSON MARIE E : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER-BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

WYSLOUZIL D M : STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.

PRECIPITATIONS

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

PREDATION

MALY EJ : FACTORS AFFECTING DISTRIBUTION AND ABUNDANCE OF ZOOPLANKTON: PHYSICAL-CHEMICAL FACTORS. COMPETITION. PREDATION. BEHAVIOUR.

PREDICTIVE

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE: MAGNETIC SUSCEPTIBILITY. MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

PETERS R H : ALLOMETRY: LITERATURE ANALYSIS OF BIOLOGICAL PATTERNS ASSOCIATED WITH SIZE; SIZE STRUCTURE IN AQUATIC COMMUNITIES; PHOSPHORUS AND LAKE-EUTROPHICATION AND PRODUCTION; GENERAL PATTERNS IN PRODUCTION; MATERIAL FLOW IN ECOSYSTEMS. CRITICAL ANALYSIS OF ECOLOGY; PREDICTIVE ECOLOGY.

PREDICTIVE

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

PRESERVATION

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

GRIFFIN D F : ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

PRICING

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

PROBE-POST

BEHARRIELL RH : EDITOR OF PROBE-POST: CANADA'S ENVIRONMENTAL MAGAZINE. PROBE-POST FEATURES ARTICLES, NEWS AND ANALYTICAL COMMENT ON A WIDE RANGE OF ENVIRONMENTAL ISSUES, SUCH AS ACID-RAIN, PESTICIDES, TOXIC-WASTES, AND ENERGY-CONSERVATION.

PRODUCT-SAFETY

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

PRODUCTIVITY

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

BAILEY LD : RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.

GORDON A G : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS, BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

PRODUCTIVITY

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

RYDER R A : STUDY OF AQUATIC-ECOSYSTEMS, THEIR PRODUCTIVITY AND THEIR FISHERIES. COMMUNITY PRODUCTION AND INTERACTIONS AMONG COMMUNITY COMPONENTS IN FRESHWATER SYSTEMS. BIOTIC INDICES OF ECOSYSTEM QUALITY.

PROGRAMMING

PILON PAUL J : STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

PROTECTION

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

BOYD F C : SENIOR MANAGER, ADMINISTRATION TECHNICAL SUPERVISION, MULTIPLE RESOURCE USE, FISH-HABITAT PROTECTION AND MANAGEMENT. ENVIRONMENTAL-IMPACT ASSESSMENTS; MULTIPLE-USE-PLANNING AND POLICY DEVELOPMENT.

CARTY A J : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

DERKSEN A J : FISHERIES-BIOLOGY, ENVIRONMENTAL FACTORS AFFECTING FISH, FISH-HABITAT PROTECTION, WATER-QUALITY ASPECTS IN GENERAL, MERCURY IN FISH.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

DORNEY ROBERT S : ENVIRONMENTAL-ANALYSIS FOR PLANNING, DESIGN, PROTECTION AND MANAGEMENT PURPOSES, BOTH REGIONAL AND URBAN. URBAN ECOSYSTEM STRUCTURES AND PROCESSES, ENVIRONMENTAL-ASSESSMENT, REGIONAL RESOURCE MANAGEMENT, NATURE RESERVE PLANNING.

JOBIN LUC J : PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

MANNING EDWARD W : LAND-USE RESEARCH, AGRICULTURAL LAND-USE, PROTECTION OF PRIME RESOURCE LANDS, REGIONAL RESOURCE PLANNING. FOCUS ON MAN/LAND RELATIONSHIPS, BEHAVIOURAL ANALYSES OF RESOURCE-USE, LIMITS OF CARRYING CAPACITY/RESOURCE DEVELOPMENT OPPORTUNITIES.

MCNEIL LUCIE : REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND OFFSHORE MINING.

SEIF FARHAD : ORGANIC-CHEMISTRY. ENVIRONMENTAL PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT.

SIBUL U : WATER-RESOURCES INVENTORY STUDIES AND MANAGEMENT. GROUNDWATER DEVELOPMENT AND PROTECTION FROM CONTAMINATION. HYDROGEOLOGY STUDIES AND EVALUATIONS.

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

PROTECTION

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

PROTEIN

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

PROTEINES-SOLUBLES

ARNAC MICHEL-JEAN : CONTAMINATION D'ORGANISMES MARINS PAR LES METAUX (CD, CA, PB, ZN). DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES-SOLUBLES.

PROVENANCE

BERGERON MICHEL : PREPARER ET EVALUER LES RAPPORTS CONFIDENTIELS EN PROVENANCE DE L'INDUSTRIE CANADIENNE CONCERNANT LA FABRICATION OU/ET L'IMPORTATION DE NOUVEAUX PRODUITS CHIMIQUES EN RELATION AVEC LA SOUS-SECTION 4(6) DE LA LOI CANADIENNE DES CONTAMINANTS DE L'ENVIRONNEMENT ET TRAVAILLER A DES PROJETS SPECIAUX TEL QU'UN DOSSIER D'EVALUATION DES COLORANTS.

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

PUBLIC

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

FOX C : WORKING TO REDUCE POLLUTION, TO PROMOTE THE MAINTENANCE OF A HEALTHY LIVEABLE ENVIRONMENT, TO CONSERVE ENERGY, RENEWABLE AND NON-RENEWABLE RESOURCES BY BRINGING THESE ISSUES TO THE ATTENTION OF THE PUBLIC AND DECISION-MAKERS.

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

MARSHALL D WI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

MCMILLAN M L : ECONOMIC EVALUATION OF THE COSTS AND BENEFITS OF PUBLIC COMMODITIES INCLUDING ENVIRONMENTAL AMENITIES AND DISAMENITIES. ENVIRONMENTAL-MANAGEMENT TOOLS AND INSTITUTIONS.

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

SIMPSON K J : HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS, MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY, EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

WHITTAM RF : ENVIRONMENTAL-AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION-PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

PUBLIC

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

PUBLIC-AWARENESS

GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEMS IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL-SCIENTISTS.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.

POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

PUBLIC-EDUCATION

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

PUBLIC-HEALTH

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

PUBLIC-INFORMATION

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

PUBLIC-PARTICIPATION

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

MARSHALL D WI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT. ARCTIC PILOT PROJECT.

MITCHELL WB : RIVER-BASIN MANAGEMENT; FLOODPLAIN REGULATION; PUBLIC-PARTICIPATION; POLICY AND PROGRAM EVALUATION; INSTITUTIONAL ARRANGEMENTS.

PUBLIC-POLICIES

SIMS WA : INVESTIGATION OF ALLOCATIVE AND DISTRIBUTIONAL IMPLICATIONS OF ALTERNATIVE ENVIRONMENTAL PUBLIC-POLICIES; THE COMPARISON OF ALTERNATIVE ENVIRONMENTAL INCENTIVE SCHEMES (I.E. CHARGES, STANDARDS, RIGHTS SCHEMES, ETC).

PUBLICATIONS

HOPWOOD WA : INVENTORY OF FOREST BIOMASS. PUBLICATIONS ON: ENFOR BIOMASS ESTIMATION PROJECTS; COORDINATION OF BIOMASS ESTIMATION IN CANADA; AND CANADA'S FOREST BIOMASS INVENTORY - 1984.

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

POLLUTION PROBE OTTAWA CARLETON : POLLUTION-PROBE OTTAWA IS CITIZENS GROUP DEDICATED TO PROTECTING THE ENVIRONMENT AND ENSURING THE QUALITY OF LIFE BY ADDRESSING ITSELF TO LOCAL, PROVINCIAL AND GLOBAL ENVIRONMENTAL-ISSUES. REFERENCE LIBRARY. PUBLICATIONS. SPEAKERS. DISPLAYS ETC.

RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. AUTHOR OF SEVERAL PUBLICATIONS ON THIS SUBJECT.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

PULP

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

PULP-AND-PAPER

BETTS J L : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION-ABATEMENT TECHNOLOGY.

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

CHAI C Y : PULP-AND-PAPER MILL INPLANT CONTROL AND EFFLUENT TREATMENT-SYSTEM.

FINDLAY D M : ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION, FISH-TOXICITY, EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

MCLEAN RONALD A N : PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES: ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

PULP-AND-PAPER

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

WILLIAMS R B : RESPONSIBLE FOR ENVIRONMENTAL-CONTROL (AIR, WATER AND SOLID-WASTES) AT A 1000 TONNE PER DAY INTEGRATED PULP-AND-PAPER MILL.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

PULP-MILL-EFFLUENTS

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

PULP-MILLS

RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT-SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.

PULPMILL

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

PYROLYSIS

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING-MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS AND HPLC.

PYROMETALLURGY

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND, MICROWAVE, ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS, EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

QUALITY-CONTROL

TONKS D B : TRACE-METAL ANALYSIS. PROFICIENCY TESTING (INTER-LABORATORY COMPARISONS). QUALITY-CONTROL OF ANALYTICAL PROCEDURES. INTERNATIONAL STANDARDIZATION OF ANALYTICAL METHODS FOR TRACE-METAL ANALYSES IN BIOLOGICAL SPECIMENS.

QUALITY-MONITORING

CRANDLEMIRE A L : ENVIRONMENTAL QUALITY-MONITORING, ASSESSMENT AND SURVEY-DESIGN: AIR, WATER, SOIL.

QUARRIES

MURRAY DJ : UNDERGROUND MINING ENVIRONMENT, ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES, QUARRIES, GRAVEL-PITS AND CRUSHING-PLANTS.

QUARTZ

KNIGHT G K : AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL. X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

QUEBEC

GAGNON D PROF : VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING). IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.

LACHANCE DENIS : RESPONSABLE D'UN SERVICE DE RELEVE ANNUEL DES INSECTES ET DES MALADIES DES ARBRES PAR TOUTE LA PROVINCE DE QUEBEC. ESTIMONS L'IMPACT DES RAVAGEURS SUR LA PRODUCTION EN FIBRES LIGNEUSES DES FORETS. PRODUISONS DES RAPPORTS ANNUELS ET PONCTUELS.

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

QUESTIONNAIRE

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

RADAR

BLOKPOEL H : BIOLOGICAL ASPECTS OF THE BIRD-AIRCRAFT-COLLISION PROBLEM. BIRD-DETECTION ALOFT USING RADAR.

CARSWELL A I : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

RADIATION

ENVIRONMENTAL HEALTH CENTRE : THE ENVIRONMENTAL HEALTH DIRECTORATE SERVES TO PROTECT CANADIANS FROM HEALTH HAZARDS ASSOCIATED WITH NATURAL AND MAN-MADE ENVIRONMENTS, THE COMPONENTS OF WHICH ARE THE PHYSICAL, CHEMICAL AND TECHNOLOGICAL ENCOMPASSMENT IN WHICH MODERN MAN LIVES AND WORKS. ITS PROGRAM COMPONENT AND MANDATE HAVE BEEN IDENTIFIED AS BEING ENVIRONMENTAL CONTAMINANTS HAZARDS, RADIATION HAZARDS, AND MEDICAL-DEVICES SAFETY AND EFFICACY.

FRASER D A : USE OF RADIATION AND RADIOISOTOPES IN FORESTRY-RESEARCH.

GUTHRIE JE DR : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS.

IVERSON S L : EFFECTS OF IONIZING RADIATION ON ORGANISMS AND ECOLOGICAL SYSTEMS; MOVEMENT OF RADIONUCLIDES IN THE CANADIAN ENVIRONMENT.

NANTEL J : RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.

SWANSON S M : RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES, AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

ZACH RETO : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. ENVIRONMENTAL-ASSESSMENTS. EFFECTS OF RADIATION ON BIRDS. ECOLOGY. ANIMAL-BEHAVIOUR.

RADIATION-DOSES

OSBORNE R V : MANAGEMENT OF ENVIRONMENTAL RESEARCH PROGRAM INVESTIGATING PHYSICAL, CHEMICAL AND BIOLOGICAL PROCESSES THAT AFFECT MOVEMENT OF RADIONUCLIDES, AND ASSESSING RADIATION-DOSES FROM RADIOACTIVE-WASTES. RADIATION-PROTECTION PRINCIPLES AND PRACTICE, PARTICULARLY RELATING TO TRITIUM.

RADIATION-PROTECTION

BIRD P M : HEADED NATIONAL RADIATION-PROTECTION PROGRAM. PARTICIPATION IN INTERGOVERNMENTAL POLICY MEETINGS. DIRECTED DEVELOPMENT OF CLEAN-AIR-ACT. MEMBER OF ENVIRONMENTAL-ASSESSMENT PANEL. CURRENTLY WORKING ON PREPARATION OF NATIONAL STATE OF THE ENVIRONMENT REPORT.

BUTLER G C : ECOTOXICOLOGY; RADIATION-PROTECTION; THIRD-WORLD SCIENCE.

RADIATION-PROTECTION

OSBORNE R V : MANAGEMENT OF ENVIRONMENTAL RESEARCH PROGRAM INVESTIGATING PHYSICAL, CHEMICAL AND BIOLOGICAL PROCESSES THAT AFFECT MOVEMENT OF RADIONUCLIDES, AND ASSESSING RADIATION-DOSES FROM RADIOACTIVE-WASTES. RADIATION-PROTECTION PRINCIPLES AND PRACTICE, PARTICULARLY RELATING TO TRITIUM.

RADIO-ACTIVATION

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

RADIO-CHEMISTRY

PLATFORD R F : RADIOCHEMISTRY OF NATURALLY OCCURRING RADIOISOTOPES AND RADIO-CHEMISTRY OF FISSION PRODUCTS.

RADIOACTIVE

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES: DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

KUDO A : DISTRIBUTION, TRANSPORT, TRANSFER AND TRANSFORMATION OF TOXIC-MATERIALS (INCLUDING RADIOACTIVE MATERIALS) IN THE AQUATIC ENVIRONMENT, ESPECIALLY PATHWAYS OF HEAVY-METALS.

LUSH DONALD L : ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

RADIOACTIVE-EMISSIONS

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

RADIOACTIVE-WASTE

CHARLESWORTH DH : ENVIRONMENTAL-PROTECTION RELATED TO THE STUDY AND USE OF NUCLEAR-ENERGY. RADIOACTIVE-WASTE MANAGEMENT.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

RADIOACTIVE-WASTES

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS. PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

OSBORNE R V : MANAGEMENT OF ENVIRONMENTAL RESEARCH PROGRAM INVESTIGATING PHYSICAL, CHEMICAL AND BIOLOGICAL PROCESSES THAT AFFECT MOVEMENT OF RADIONUCLIDES, AND ASSESSING RADIATION-DOSES FROM RADIOACTIVE-WASTES. RADIATION-PROTECTION PRINCIPLES AND PRACTICE, PARTICULARLY RELATING TO TRITIUM.

RADIOACTIVITY

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

RADIOCARBON

FRITZ P : ENVIRONMENTAL ISOTOPE HYDROLOGY. ISOTOPE GEOCHEMISTRY. PALEOCLIMATOLOGY BASED ON ENVIRONMENTAL ISOTOPES. RADIOCARBON DATING OF GROUNDWATER AND QUATERNARY MATERIALS.

RADIOCHEMISTRY

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

PLATFORD R F : RADIOCHEMISTRY OF NATURALLY OCCURRING RADIOISOTOPES AND RADIO-CHEMISTRY OF FISSION PRODUCTS.

RADIOCHIMIE

GUBELI A O : CHIMIE MINERALE ET CHIMIE DES COMPLEXES. CHIMIE ANALYTIQUE. CHIMIE DE L'ENVIRONNEMENT. CHIMIE DES EAUX. RADIOCHIMIE.

RADIOECOLOGY

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

RADIOISOTOPES

FRASER D A : USE OF RADIATION AND RADIOISOTOPES IN FORESTRY-RESEARCH.

PLATFORD R F : RADIOCHEMISTRY OF NATURALLY OCCURRING RADIOISOTOPES AND RADIO-CHEMISTRY OF FISSION PRODUCTS.

RADIONUCLIDE

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS. IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES. STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

SWANSON S M : RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES. AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

RADIONUCLIDES

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

RADIONUCLIDES

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

IVERSON S L : EFFECTS OF IONIZING RADIATION ON ORGANISMS AND ECOLOGICAL SYSTEMS; MOVEMENT OF RADIONUCLIDES IN THE CANADIAN ENVIRONMENT.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

JOSHI S R : DEVELOPMENT OF METHODS FOR MEASURING RADIOACTIVITY IN THE ENVIRONMENT; STUDIES ON THE AQUATIC PATHWAYS OF RADIONUCLIDES; IMPACT OF RADIONUCLIDE RELEASES TO AQUATIC ENVIRONMENT; USE OF RADIOACTIVITY FOR STUDYING THE BEHAVIOUR OF OTHER POLLUTANTS IN THE AQUATIC-ENVIRONMENT.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

OSBORNE R V : MANAGEMENT OF ENVIRONMENTAL RESEARCH PROGRAM INVESTIGATING PHYSICAL, CHEMICAL AND BIOLOGICAL PROCESSES THAT AFFECT MOVEMENT OF RADIONUCLIDES, AND ASSESSING RADIATION-DOSES FROM RADIOACTIVE-WASTES. RADIATION-PROTECTION PRINCIPLES AND PRACTICE, PARTICULARLY RELATING TO TRITIUM.

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

SILVER M : BIOTECHNOLOGY IN RELATION TO ENVIRONMENTAL ASPECTS OF THE MINING INDUSTRIES. TAILINGS, RADIONUCLIDES, LYSIMETERS.

ZACH RETO : EFFECTS OF RADIATION ON THE ENVIRONMENT. MOVEMENT OF RADIONUCLIDES IN THE ENVIRONMENT. ENVIRONMENTAL-ASSESSMENTS. EFFECTS OF RADIATION ON BIRDS. ECOLOGY. ANIMAL-BEHAVIOUR.

ZYTARUK BRIAN G : ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

RADIOTELEMETRY

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

RADIOTRACERS

COOPER EL : ENVIRONMENTAL-MONITORING AND RESEARCH ON THE BEHAVIOUR OF RADIONUCLIDES IN THE ENVIRONMENT. ALSO INTERESTED IN THE USES OF RADIOTRACERS AND NUCLEAR METHODS IN STUDIES OF ENVIRONMENTAL PROCESSES.

RADIUM

SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.

RADON-GAS

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY; RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

RAILWAYS

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.

RAIN-WATER

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

RANGE-ECOLOGY

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

RAPTORS

PRICE IOLA : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS, LOONS, HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.

REACTOR

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

REAERATION

LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

RECEPTOR-BINDING

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

RECEPTORS

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

RECIRCULATING

WILSON DAVID RJ : PREPARATION OF DESIGN AND OPERATING GUIDELINES FOR AQUACULTURAL-SYSTEMS FOR WARM AND COLD WATER SPECIES, INCLUDING RECIRCULATING FACILITIES. ASSESSMENT OF FISHERIES AND AQUATIC ASPECTS IN E.I.A.

RECLAMATION

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

GARDINER R T : DEVELOPMENT AND APPLICATION OF RECLAMATION TECHNOLOGY FOR LAND DISTURBED BY COAL AND METAL-MINING IN BRITISH-COLUMBIA AND NORTHWEST-TERRITORIES.

GARRATT D G : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.

RECLAMATION

HANSEN JA : ENVIRONMENTAL ASSESSMENT AND RESOURCE-MANAGEMENT ESPECIALLY AS THEY RELATE TO MINING-DEVELOPMENTS. RECLAMATION PLANNING AND IMPLEMENTATION ARE AN AREA OF CONCENTRATION WITHIN THE FRAMEWORK OF THESE STUDIES.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

MCCOY D : ACID-DEPOSITION; SOIL CHEMISTRY; RECLAMATION.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

WATKIN E M : RECLAMATION OF DRASTICALLY DISTURBED-LANDS WITH SPECIAL REFERENCE TO MINING-WASTES.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

RECOLONIZATION

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES, INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

RECOLONIZATIONS

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

RECOVERY

BROUGHTON ERIC R : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES, SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

LEIDNER J : RECYCLING OF PLASTICS. PUBLICATION OF "PLASTICS WASTE, RECOVERY OF ECONOMIC VALUE". NEW YORK, M. DEKKER, 1981.

MCEWEN T J : FOOD-PROCESSING TECHNOLOGY, FOOD-WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

MYSLICKI JJ : RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

RECREATION

ARCHDEKIN LW : URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.

BAKER W M : TOURIST PARK AND OUTDOOR RECREATION PLANNING (POLICY STRATEGY PROGRAM) INCLUDING BASIC NATURE, HISTORIC CULTURAL SUPPLY AND INFRASTRUCTURE ASSESSMENT, PHYSICAL, MARKETING, FINANCIAL AND MANAGEMENT PLANNING, PERFORMANCE EVALUATION, ENVIRONMENTAL-IMPACT-ASSESSMENT RELATIVE TO THE AMENITY ASPECTS OF RESOURCE VALUES.

RECREATION

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

PIERCE T W : CANADA LAND-INVENTORY, LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL), MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

WALL G : IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

RECREATION-INVENTORY

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

RECREATIONAL

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

GRIFFIN D F : ECOLOGICAL-RESERVES AND NATURAL AREAS PROGRAMS OF ALBERTA. SUITABLE SITES ARE SELECTED THROUGHOUT THE PROVINCE FOR RESEARCH, PRESERVATION, EDUCATIONAL AND RECREATIONAL PURPOSES. BIOPHYSICAL DATA IS GATHERED.

KARIEL H G : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

KNAPPER CK : ENVIRONMENTAL BEHAVIOUR AND ATTITUDES, WITH SPECIAL REFERENCE TO THE TRAFFIC ENVIRONMENT, DRIVING-BEHAVIOUR AND RECREATIONAL TRAVEL.

SCACE DR R C : MANAGEMENT, COORDINATION OF LARGE-SCALE MULTI-DISCIPLINARY STUDIES, HUMAN ECOLOGICAL AND LANDSCAPE-ANALYSES, LAND-USE PLANNING, PARKS AND PROTECTED AREAS CONSERVATION, IMPACT-ASSESSMENT, RECREATIONAL STUDIES, EDITING, CONFERENCE PLANNING, PROJECT ASSESSMENT.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION, SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

RECREATIONAL-DEVELOPMENT

COAKLEY JOHN P : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL-ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE CONSERVATION IN THE FACE OF INDUSTRIAL AND RECREATIONAL-DEVELOPMENT OF THE COASTAL-ZONE.

RECREATIONAL-PLANNING

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

RECREATIONAL-WATER

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

RECYCLE

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

RECYCLING

LEIDNER J : RECYCLING OF PLASTICS. PUBLICATION OF "PLASTICS WASTE, RECOVERY OF ECONOMIC VALUE". NEW YORK, M. DEKKER, 1981.

MYSLICKI JJ : RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

RED-TIDES

TAYLOR F J R : ECOLOGY OF BRITISH-COLUMBIA AND TROPICAL PHYTOPLANKTON. RED-TIDES. CIGUATERA FISH-POISONING. DINOFLAGELLATES.

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

REFINERY

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

REFINING

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

TIMBRES DH : ENVIRONMENTAL COORDINATOR OF METALS REFINING AND FERTILIZER COMPLEX.

REFORESTATION

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

REGENERATION

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE, HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

MCNEIL LUCIE : REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH, ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLICY-DEVELOPMENT, PUBLIC-AWARENESS CAMPAIGNS.

REGENERATION

PRASAD R : EXPERTISE IN: PESTICIDES FOR PROTECTION AND REGENERATION OF CANADIAN FOREST; HERBICIDES FOR FOREST RENEWAL AND IN STUDYING THE FATE OF HERBICIDES IN FOREST ENVIRONMENT; HERBICIDES FOR CONTROL OF MACROPHYTES.

REGENERATION-SILVICULTURE

SUTTON ROY F : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION-SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC/TECHNICAL EDITING.

REGIONAL

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

DORNEY ROBERT S : ENVIRONMENTAL-ANALYSIS FOR PLANNING, DESIGN, PROTECTION AND MANAGEMENT PURPOSES, BOTH REGIONAL AND URBAN. URBAN ECOSYSTEM STRUCTURES AND PROCESSES, ENVIRONMENTAL-ASSESSMENT, REGIONAL RESOURCE MANAGEMENT. NATURE RESERVE PLANNING.

MANNING EDWARD W : LAND-USE RESEARCH, AGRICULTURAL LAND-USE, PROTECTION OF PRIME RESOURCE LANDS, REGIONAL RESOURCE PLANNING. FOCUS ON MAN/LAND RELATIONSHIPS, BEHAVIOURAL ANALYSES OF RESOURCE-USE, LIMITS OF CARRYING CAPACITY/RESOURCE DEVELOPMENT OPPORTUNITIES.

MERRIAM H G : EFFECTS OF ISOLATION OF FOREST FRAGMENTS BY FARMLAND AND SUBURBAN LAND-USE. EFFECTS OF HETEROGENEITY OF LANDSCAPE MOSAICS ON SPECIES ASSEMBLAGES AND REGIONAL POPULATION-DYNAMICS INCLUDING LOCAL EXTINCTIONS AND RECOLONIZATIONS IN PATCHES AND THE EFFECTS OF CONNECTIVITY AMONG HABITAT ISLANDS.

REGIONAL-DEVELOPMENT

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

REGIONAL-INFORMATION

NEWKIRK RT : WITH VARIOUS COLLEAGUES, WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.

REGIONAL-PLANNING

ARCHDEKIN LW : URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.

REGISTRATION

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

DROUIN JAMES A : DEVELOP CONTROL METHODS, ASSESS NEEDS ON THE USE OF HERBICIDES AND PESTICIDES AND EVALUATE PHEROMONES AS A TOOL IN FOREST-MANAGEMENT. CONDUCT EFFICACY TRIALS FOR VARIOUS DOSAGES, FORMULATIONS AND TIMING. DETERMINE PERCENT MORTALITY OF HOST-SPECIES. PROVIDE DATA AS AID TO REGISTRATION.

REGLEMENTS

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

REGRESSION

REGRESSION

PILON PAUL J : STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

REGULATES

KARAU J H : NATIONAL MANAGER OF THE OCEAN-DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

REGULATION

FLETCHER R A : MODE OF ACTION OF HERBICIDES. CHEMICAL REGULATION OF GROWTH AND DEVELOPMENT. EFFECTS OF PESTICIDES AND PLANT-GROWTH REGULATORS ON TARGET AND NON-TARGET ORGANISMS.

GILBERTSON M : CHEMICALLY-INDUCED DISEASES IN WILDLIFE AND FISH. REGULATION OF CHEMICALS.

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS; MONITORING AND REGULATION COMPLIANCE.

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.

LERER H : PESTICIDES: EVALUATION AND REGULATION; ENVIRONMENTAL-IMPACT-ASSESSMENT; AGRICULTURAL PRACTICES RELATING TO PESTICIDES; TOXIC-CHEMICALS MANAGEMENT.

MITCHELL WB : RIVER-BASIN MANAGEMENT; FLOODPLAIN REGULATION; PUBLIC-PARTICIPATION; POLICY AND PROGRAM EVALUATION; INSTITUTIONAL ARRANGEMENTS.

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

REGULATIONS

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

REGULATORY

ARCHDEKIN LW : URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.

DONNAN J : RESEARCH AND WRITING ON THE ECONOMIC ASPECTS OF ENVIRONMENTAL-MANAGEMENT AND PROTECTION; COST-BENEFIT ANALYSIS, MEASUREMENT AND EVALUATION OF ENVIRONMENTAL INTANGIBLES, ECONOMIC INCENTIVE POLICIES, IMPACTS OF REGULATORY COSTS ON FIRMS AND COMMUNITIES, HAZARDOUS AND INDUSTRIAL-WASTES MANAGEMENT, THE PRIVATE BENEFITS OF POLLUTION-CONTROL.

HALL H A : RESPONSIBLE FOR MARINE ENVIRONMENTAL-PROTECTION POLICY-DEVELOPMENT AND ENFORCEMENT OF REGULATORY INSTRUMENTS FOR POLLUTION-CONTROL AND OCEAN DUMPING. DIRECT THE PROVISION OF ADVICE CONCERNING ENVIRONMENTAL-IMPACT OF OFFSHORE EXPLORATION, AND ENVIRONMENTAL ADVICE AND RESPONSE TO MARINE EMERGENCIES.

RUEL DR M : DIRECTOR-GENERAL OF ENVIRONMENTAL PROTECTION BRANCH ARM OF REGULATORY AGENCY, CANADA OIL AND GAS LANDS ADMINISTRATION. ENSURES ADEQUATE ATTENTION IS BEING PAID TO ENVIRONMENTAL FACTORS REGARDING OIL AND GAS EXPLORATION, DEVELOPMENT AND OFFSHORE MINING.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

REGULATORY-AUTHORITY

MILLSON M F : THE COMMERCIAL CHEMICALS DIVISION EVALUATES SCIENTIFIC EVIDENCE ON POTENTIAL EFFECTS OF PESTICIDES ON THE ENVIRONMENT AND PROVIDES ADVICE TO THE CANADIAN REGULATORY-AUTHORITY FOR THE PEST-CONTROL-PRODUCTS-ACT.

REHABILITATION

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

REGIER H A : REHABILITATION OF DEGRADED AQUATIC ECOSYSTEMS ESPECIALLY WITH RESPECT TO PRODUCTION OF VALUED FISH SPECIES, ASSESSMENT AND MANAGEMENT OF WILD FISHERY RESOURCES; ALL OF THE ABOVE IN AN INTERDISCIPLINARY CONTEXT.

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

REJETS

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

REMOTE-SENSING

CARSWELL A I : LIDAR (LASER RADAR) DIAGNOSTICS OF THE ATMOSPHERE. REMOTE-SENSING, ATMOSPHERIC OPTICS, LASER BEAM PROPAGATION AND SCATTERING IN THE ATMOSPHERE.

CIHLAR J : APPLICATIONS OF REMOTE-SENSING TECHNIQUES (AIRBORNE AND SATELLITE) TO THE INVENTORY, MONITORING AND MANAGEMENT OF NATURAL-RESOURCES.

DICK R : DESIGN, MANUFACTURE AND OPERATION OF INSTRUMENTATION FOR REMOTE-SENSING OF ENVIRONMENTAL POLLUTION.

KESIK A : GEOMORPHOLOGICAL AND HYDROGRAPHICAL SURVEY AND MAPPING. COMPILATION OF THEMATIC MAPS BASED ON REMOTE-SENSING DATA.

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

LANGHAM E J : APPLICATIONS OF REMOTE-SENSING TO ENVIRONMENTAL-MANAGEMENT.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS. VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

NEWKIRK RT : WITH VARIOUS COLLEAGUES, WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

PROTZ R : SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SENYK JOHN P : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

REMOTE-SENSING

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

STEVENS GR : STRUCTURAL GEOLOGY. APPLICATIONS TO MINERAL EXPLORATION. REMOTE-SENSING. NUCLEAR-WASTE REPOSITORY DESIGN FACTORS (GEOLOGICAL). ROCK MICROFABRIC.

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

TOMLINS G F : APPLICATION OF SATELLITE REMOTE-SENSING DATA FOR ENVIRONMENTAL-IMPACT-ASSESSMENT AND ENVIRONMENTAL-MONITORING. DIGITAL IMAGE ANALYSIS. DEVELOPMENT OF MINI-RPV'S (UNMANNED AIRCRAFT) FOR AERIAL-SURVEILLANCE AND MONITORING.

RENEWABLE-ENERGY

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

RENEWABLE-RESOURCES

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

HERRERO STEPHEN : RESEARCH AND PLANNING NECESSARY TO GENERATE SUSTAINABLE BENEFITS TO PEOPLE FROM CONSERVATION ORIENTED DEVELOPMENT OF RENEWABLE-RESOURCES. EXPERTISE IN WILDLIFE-MANAGEMENT AND PARK-PLANNING.

RENSEIGNEMENT

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

REPELLENTS

SHEMANCHUK J A : INVESTIGATING METHODS OF PROTECTING CATTLE AND HUMANS FROM BLOOD-SUCKING FLIES THROUGH USE OF REPELLENTS, BIOLOGICAL-AGENTS AND MANAGEMENT PRACTICES IN AN ATTEMPT TO REDUCE THE DEPENDENCE ON CHEMICAL PESTICIDES.

REPLANTING

GAGNON D PROF : VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.

REPRODUCTION

DONALDSON E M : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES AND GROWTH-CONTROL.

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

PEAKALL D B : ENVIRONMENTAL-POLLUTANTS (ESPECIALLY OIL) ON REPRODUCTION OF BIRDS. ESPECIALLY ALTERATION OF PHYSIOLOGY AND BIOCHEMISTRY.

TAGGART C I : AIR-PHOTO INTERPRETATION: MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION: REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY: FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS: PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

REPRODUCTION

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

REPRODUCTIVE

DRUEHL LOUIS D : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.

KHERA K S : ASSESSMENT OF TERATOGENIC AND REPRODUCTIVE RISKS OF ENVIRONMENTAL AND FOOD-CHEMICALS FROM ANIMAL DATA.

NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."

REPTILES

SECOY D M : HERPETOLOGY, SPECIFICALLY REPTILES: BIRDS: ECOLOGY OF HIGH-LATITUDE VERTEBRATES: HISTORY OF PRE-INDUSTRIAL PEST-CONTROL.

RESERVOIR

DUTHIE H C : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.

HECKY RE : PALEOLIMNOLOGY AND LIMNOLOGY OF AFRICAN GREAT LAKES; RESERVOIR LIMNOLOGY; PHYTOPLANKTON AND DIATOM ECOLOGY; AQUATIC PRIMARY PRODUCTIVITY; CYCLING AND BIOACCUMULATION OF MERCURY.

SIMPSON F : POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

RESERVOIRS

JONES H G : LIMNOLOGIE DES EAUX-DOUCES NATURELLES ET AMENAGEES (RESERVOIRS HYDROELECTRIQUES) APPORTS ATMOSPHERIQUES ET QUALITE PHYSICO-CHIMIQUE DES PRECIPITATIONS ET DES EAUX-DOUCES DE RUISSELLEMENT EN REGIONS NORDIQUES.

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

RESIDUE

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

O'SULLIVAN P A : BASIC AND APPLIED RESEARCH WITH EXPERIMENTAL AND LICENSED HERBICIDES; MODE OF ACTION, BASIS FOR SELECTIVITY; BEHAVIOUR IN MIXTURES; RESIDUE IN SOIL.

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

RESIDUELLES

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

RESIDUES

BAKER B E : PESTICIDES AND HERBICIDE RESIDUES IN SOIL AND WATER; METHODS OF CONFIRMATION.

MES J : RESEARCH AND MONITORING OF HALOGENATED HYDROCARBON RESIDUES IN VARIOUS HUMAN AND MONKEY-TISSUES AND FLUIDS, INCLUDING MOTHER MILK.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

RESINEUX

LAFLAMME DR G : RELEVE ANNUEL DES MALADIES DES ARBRES. RECHERCHES SUR LE CHANCRE SCLERO-DERRIEN, CHAMPIGNON PARASITE ATTAQUANT LES PINS. RECHERCHES SUR LES CHAMPIGNONS ENDOPHYTES COLONISANT L'INTERIEUR DES AIGUILLES DES ARBRES RESINEUX. RECHERCHES SUR LES CARIES ET COLORATIONS DES ARBRES VIVANTS.

RESINS

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

RESOURCE-MANAGEMENT

HANSEN JA : ENVIRONMENTAL ASSESSMENT AND RESOURCE-MANAGEMENT ESPECIALLY AS THEY RELATE TO MINING-DEVELOPMENTS. RECLAMATION PLANNING AND IMPLEMENTATION ARE AN AREA OF CONCENTRATION WITHIN THE FRAMEWORK OF THESE STUDIES.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

NELSON JG : HUMAN-ECOLOGY: RESOURCE-MANAGEMENT (NATIONAL PARKS AND RELATED RESERVES IN THE NORTH). COASTAL USE AND MANAGEMENT.

NORECOL ENVIRONMENTAL CONSULTANTS : ENVIRONMENTAL-ASSESSMENT AND RESOURCE-MANAGEMENT CONSULTING-SERVICES THROUGHOUT WESTERN CANADA. STUDIES RELATED TO COAL AND METAL MINING, FORESTRY FISHERIES, NEW ENERGY-DEVELOPMENTS AND OTHER INDUSTRIAL-PROJECTS.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH. LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

RESOURCE-PLANNING

MEAD DOUGLAS A DR : RESOURCE-PLANNING; DATA-QUALITY ASSESSMENT. FORESTRY.

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

RESOURCE-RECOVERY

SIMPSON K J : HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS. MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.

RESOURCES

BERKES DR F : LIVING RESOURCES, ESPECIALLY FISHERIES, ECOLOGY AND MANAGEMENT; ENVIRONMENTAL-IMPACT OF HYDRO PROJECTS ON FISHERIES; COMMON PROPERTY RESOURCE THEORY; ENVIRONMENT AND RESOURCE POLICIES; SMALL-SCALE FISHERIES AND HUMAN-ECOLOGY.

BROUGHTON ERIC R : ENVIRONMENTAL-ASSESSMENT AND DESIGN ASSOCIATED WITH NATURAL RESOURCES, SPECIFICALLY FISH CULTURE, AND INDUSTRIAL-WASTES CONDITIONING AND RECOVERY.

DICKSON LIU : BIODEGRADATION AND TOXICITY-ASSESSMENT OF TOXIC-SUBSTANCES; INDUSTRIAL WASTEWATER-TREATMENT, BIOTECHNOLOGY DEVELOPMENT IN ENERGY AND RESOURCES.

FOX C : WORKING TO REDUCE POLLUTION, TO PROMOTE THE MAINTENANCE OF A HEALTHY LIVEABLE ENVIRONMENT, TO CONSERVE ENERGY, RENEWABLE AND NON-RENEWABLE RESOURCES BY BRINGING THESE ISSUES TO THE ATTENTION OF THE PUBLIC AND DECISION-MAKERS.

GERTLER L O : INSTITUTIONS AND PROCESSES FOR ENVIRONMENTAL-PLANNING AND MANAGEMENT: CANADA, SOUTHEAST ASIA AND THE CARIBBEAN. POLICY-STUDIES RELATED TO LAND, REGIONAL-DEVELOPMENT, HUMAN-SETTLEMENTS, AND RECREATIONAL RESOURCES.

RESOURCES

LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

REGIER H A : REHABILITATION OF DEGRADED AQUATIC ECOSYSTEMS ESPECIALLY WITH RESPECT TO PRODUCTION OF VALUED FISH SPECIES. ASSESSMENT AND MANAGEMENT OF WILD FISHERY RESOURCES; ALL OF THE ABOVE IN AN INTERDISCIPLINARY CONTEXT.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

RESOURCES-MANAGEMENT

SCHWASS R D : CHAIRMAN, TASK FORCE ON CONSERVATION STRATEGY FOR NORTHERN CANADA; CHAIRMAN, ADVISORY COMMITTEE ON RESOURCES-MANAGEMENT, BANFF CENTRE; CHAIRMAN, POLICY COMMITTEE, LIBERAL-PARTY OF CANADA; ADVISOR TO SEVERAL MINISTERS RESPONSIBLE FOR ENVIRONMENTAL POLICY, GOVERNMENT OF CANADA. MEMBER, INTL.ASSOC. OF UNIV. CONFERENCE ON ENVIRONMENTAL EDUCATION, BUDAPEST, OCT. 1983.

RESPIRATION

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

RANDALL D J : RESPIRATION AND CIRCULATION OF LOWER VERTEBRATES PARTICULARLY FISH. EDITOR OF "FISH PHYSIOLOGY".

RESPIRATORY

HOUSTON A H : PHYSIOLOGICAL ECOLOGY OF FISHES: RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY.

RESPIRATORY-EFFECTS

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

RESSOURCE-EAU

GODBOUT GAETAN : INFORMATION-SCIENTIFIQUE ET TECHNIQUE (IST). DOCUMENTATION, REFERENCE BIBLIOTHEQUE, BIBLIOGRAPHIES PAR ORDINATEUR. RESSOURCE-EAU, ENVIRONNEMENT AQUATIQUE HYDROLOGIE, ECOLOGIE-AQUATIQUE.

RESTORATION

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.

RESTORATION

LEBLANC PJ : THE FISH-HABITAT DIVISION PROVIDES THE SCIENTIFIC AND TECHNICAL ASSESSMENT, INVESTIGATION AND RESEARCH REQUIRED FOR THE CONSERVATION, RESTORATION AND DEVELOPMENT OF FRESHWATER AND MARINE FISH-HABITAT RESOURCE BASE.

RETARDANTS

STECHISHEN E : USE AND EFFECTIVENESS OF FOREST-FIRE RETARDANTS; USE OF AIR-TANKERS AND THEIR EFFECTIVENESS IN FOREST-FIRE SUPPRESSION.

REUSE

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

REVEGETATION

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

PETERS T H : REVEGETATION OF INDUSTRIALLY STRESSED LANDS.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY, SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

REVERSE-OSMOSIS

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

REVOLVING

MCTAGGART COWAN J : MANAGER, ENVIRONMENTAL STUDIES REVOLVING FUND (EMR). IN CONJUNCTION WITH ESRF (IAND) FINANCES NECESSARY ENVIRONMENTAL AND SOCIAL-STUDIES RELATING TO PETROLEUM-EXPLORATION AND DEVELOPMENT ON CANADA LANDS.

RIDING-MOUNTAIN

MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.

RIGHTS-OF-WAY

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION. PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

RISK

BROWN D M : AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

RISK

DOOLEY J E : DECISION PROCESSES AND STATISTICAL INFORMATION-SYSTEMS APPLICABLE TO RISK AND ENVIRONMENTAL-MANAGEMENT.
LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.
STICH H F : EARLY IDENTIFICATION OF POPULATION GROUPS EXPOSED TO ENVIRONMENTAL AGENTS AND AT AN ELEVATED RISK FOR CANCER OF THE ORAL CAVITY, ESOPHAGUS AND URINARY BLADDER; DETECTION OF ENVIRONMENTAL CHEMICALS RESPONSIBLE FOR THE INDUCTION AND PROMOTION OF THESE CANCERS; INTRODUCTION OF CHEMOPREVENTIVE AGENTS IN INTERVENTION PROGRAMMES.

RISK-ANALYSIS

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

RISK-ASSESSMENT

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.
INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.
SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.
ST-PIERRE CC : AIR-POLLUTION CONTROL; SOURCE EMISSION MEASUREMENTS, INDOOR AIR-POLLUTION (MODELLING, MERCURY, FORMALDEHYDE); ENVIRONMENTAL-IMPACT STATEMENTS AND RISK-ASSESSMENT.
WHYTE ANNE V T : SOCIAL ASPECTS OF DEVELOPMENT, COMMUNITY PARTICIPATION ENVIRONMENTAL PERCEPTION, HUMAN RESPONSE TO HAZARDS, ENVIRONMENTAL RISK-ASSESSMENT.
WILSON D J : RISK-ASSESSMENT; GAS BLOWOUTS; PIPELINES.

RISKS

KHERA K S : ASSESSMENT OF TERATOGENIC AND REPRODUCTIVE RISKS OF ENVIRONMENTAL AND FOOD-CHEMICALS FROM ANIMAL DATA.

RIVER

BELTAOS S : RIVER ICE BREAKUP AND ICE JAMS. FIELD OBSERVATIONS, LABORATORY AND THEORETICAL INVESTIGATIONS. MAIN CONCERNS: EFFECTS ON FLOODING AND ALLEVIATION MEASURES; SHORT AND LONG-TERM FORECASTING; ENVIRONMENTAL-ASSESSMENTS.
D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.
HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.
LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.
NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.
POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.
TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.
VANDENBERG A : GROUNDWATER HYDROLOGY, MODELLING OF SATURATED AND UNSATURATED GROUNDWATER FLOW; STUDY OF THE IMPACT OF AGRICULTURAL DRAINAGE ON THE RIVER HYDROGRAPH. PUBLISHED "AN ALTERNATIVE CONCEPTUAL MODEL OF GROUNDWATER FLOW."

RIVER-BASIN

MITCHELL WB : RIVER-BASIN MANAGEMENT; FLOODPLAIN REGULATION; PUBLIC-PARTICIPATION; POLICY AND PROGRAM EVALUATION; INSTITUTIONAL ARRANGEMENTS.

RIVER-BEHAVIOUR

SEAGEL GC : HYDROLOGIC MONITORING AND ANALYSIS AND RIVER-BEHAVIOUR STUDIES, BOTH FOR ENVIRONMENTAL INVESTIGATIONS AND PROJECT DESIGN. MULTI-AND INTER-DISCIPLINARY PROJECT MANAGEMENT AND COORDINATION FOR PROJECT PLANNING AND ENVIRONMENTAL INVESTIGATIONS.

RIVER-MECHANICS

LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

RIVERAINS

MCNEIL LUCIE : REGROUPEMENT D'ASSOCIATIONS DE RIVERAINS 600 QUI TRAVAILLENT A LA PROTECTION DE L'ENVIRONNEMENT DES LACS ET A LA PROTECTION DE LA NATURE. DEPOLLUTION DES LACS; REGENERATION DES RIVES. GROUPE DE PRESSION EN ENVIRONNEMENT. SENSIBILISATION, EDUCATION, INFORMATION.

RIVERS

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

DAVIES R W : ANALYSIS OF THE EFFECTS OF PERTURBATIONS BOTH NATURAL AND MAN-INDUCED ON MACROBENTHOS OF LAKES AND RIVERS. EMPHASIS ON THE EFFECTS OF CHLORINE AND CHANGES IN SUSPENDED AND DEPOSITED SEDIMENTS.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

FREDEEN F J H : QUANTITATIVE SAMPLING OF INVERTEBRATES IN RIVERS, ESPECIALLY BLACK-FLIES SIMULIIDAE (DIPTERA).

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT. IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

TELANG SADANAND A : EFFECTS OF MAN'S ACTIVITY ON WATER-QUALITY IN TERMS OF ORGANIC-COMPOUNDS. TRANSPORT OF CARBON IN THE MAJOR RIVERS OF CANADA.

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

RIVIERES

COUILLARD DENIS : CARACTERISTIQUES DES EAUX-USEES, MODELES EN RIVIERES, TRAITEMENTS-DES-EAUX USEES, PLANIFICATION ET GESTION DES EAUX-USEES, EVALUATION DES IMPACTS.

ROAD

BRENNER J E : ENVIRONMENTAL PROBLEMS IN CONJUNCTION WITH ROAD AND BRIDGE CONSTRUCTION IN WILDERNESS AREAS, PRIOR TO COMMENCEMENT OF A PROJECT. THIS INCLUDES ROUTE STUDIES TO ENSURE ONLY MINIMAL ENVIRONMENTAL DAMAGE.

ROADS

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

SHANTORA V : DIVISION RESPONSIBLE FOR THE DEVELOPMENT OF ENVIRONMENTAL-PROTECTION MEASURES RELATED TO MOTOR-VEHICLES, PIPELINES, SHIPPING, ROADS AND PORTS AND HARBOURS.

ROCKS

GALE JE : HYDROGEOLOGY OF FRACTURED ROCKS AND CONTAMINANT MIGRATION. ROCK-MECHANICS, FRACTURE PROPERTIES. ENGINEERING GEOLOGY, FRACTURE CHARACTERIZATION.

NANTEL J : RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.

RODENTS

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

ROOT

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

WHITNEY R D : DAMAGE-APPRAISAL, CAUSAL FUNGI, SITE RELATIONSHIPS OF ROOT DISEASES OF CONIFEROUS-TREES. CANADIAN ECTOMYCORRHIZAE. PATHOGENICITY OF POLYPORUS-TOMENTOSUS.

ROTATION

SILVERSIDES CR : TIMBER-HARVESTING (ENVIRONMENTAL-IMPACT) SHORT ROTATION FORESTRY-ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

ROTS

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

RUBBERS

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

RUN-OFF

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT. SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

RUNWAYS

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

RURAL

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.
LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.
LUTWICK GD : REMOVAL OF ARSENIC FROM RURAL WELL-WATERS BY ION-EXCHANGE WITH FERRIC-HYDROXIDE. PATENT.
TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

RURAL/AGRICULTURAL

MCCUAIG J D : LAND-USE PLANNING: GEOGRAPHY; LAND-USE POLICIES; RURAL/AGRICULTURAL LAND-USE CHANGE ANALYSIS: LAND-VALUE CHANGE; FEDERAL PROGRAM IMPACT ON LAND-USE; PLANNING METHODS AND TOOLS; FEDERAL/ PROVINCIAL LIAISON.

RUSTS

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

SAFETY

CORMACK A C : SAFETY AND ENVIRONMENTAL MATTERS IN THE PETROLEUM-INDUSTRY.
ENVIRONMENTAL HEALTH CENTRE : THE ENVIRONMENTAL HEALTH DIRECTORATE SERVES TO PROTECT CANADIANS FROM HEALTH HAZARDS ASSOCIATED WITH NATURAL AND MAN-MADE ENVIRONMENTS, THE COMPONENTS OF WHICH ARE THE PHYSICAL, CHEMICAL AND TECHNOLOGICAL ENCOMPASSMENT IN WHICH MODERN MAN LIVES AND WORKS. ITS PROGRAM COMPONENT AND MANDATE HAVE BEEN IDENTIFIED AS BEING ENVIRONMENTAL CONTAMINANTS HAZARDS, RADIATION HAZARDS, AND MEDICAL-DEVICES SAFETY AND EFFICACY.
GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.
MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING. CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.
POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.
ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.
SMITH JAMES WILMER : INDUSTRIAL-HYGIENE ENGINEERING AND POLLUTION-CONTROL, CERTIFIED INDUSTRIAL HYGIENIST AND DESIGNATED SPECIALIST IN OCCUPATIONAL-HEALTH AND SAFETY, IMPACT AND RISK-ASSESSMENT, AIR-QUALITY MONITORING.
STAIRS RA : ACID-PRECIPITATION: METHODS OF ESTIMATION OF ACIDITY. OCCUPATIONAL-HEALTH AND SAFETY, HAZARDOUS-WASTE MANAGEMENT.
STEWART D B : STRATA MECHANICS AND ENVIRONMENTAL FACTORS THAT INFLUENCE THE HEALTH, SAFETY AND EFFICIENCY OF UNDERGROUND COAL-MINING IN THE ATLANTIC-REGION.
WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

SAFETY-TESTING

CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.

SAGUENAY

FERNET L : ENTOMOLOGIE-ECOLOGIE: INVENTAIRE DES ODONATES: GASPESIE, CAP JASEUX. ODONATES INDICATEURS DE LA NATURE DU MILIEU. EMERGENCE DES ODONATES DU SAGUENAY.

SALINE-LAKES

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN). PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

SALINITE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

SALINITY

MILNE R A : SOILS: STUDIES AND RESEARCH IN DRIFTING, CHEMISTRY, SURVEY, SALINITY AND DRAINAGE.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

SALMON

BELL GORDON R : IDENTIFICATION, CHARACTERIZATION, PREVENTION CONTROL OR THERAPY OF INFECTIOUS DISEASES OF COMMERCIALLY IMPORTANT FISHES, PARTICULARLY SALMON.

ELSON PAUL F : BIOLOGY, ESPECIALLY ECOLOGY, AND MANAGEMENT OF ATLANTIC SALMON.

RUGGLES C P : FRESHWATER FISHERIES - MANAGEMENT AND DEVELOPMENT; ENVIRONMENTAL-IMPACT-ASSESSMENT. FISH PASSAGE AT DAMS. ATLANTIC SALMON ECOLOGY.

SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

SALMONELLA-ASSAYS

LEE E G H : MUTAGENICITY OF ENVIRONMENTAL CONTAMINANTS WAS INVESTIGATED USING THE AMES SALMONELLA-ASSAYS. ALSO INVOLVED IN MICROBIAL ENHANCED OIL-RECOVERY, USING BIOPOLYMERS AND GAS FORMERS.

SALMONID

ANDERSON J M : FISHERIES RESEARCH AND DEVELOPMENT, IN PARTICULAR THE FIELDS OF AQUACULTURE AND SALMONID ENHANCEMENT STRATEGIES; EDUCATION AND TRAINING A SPECIALTY.

DONALDSON E M : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES AND GROWTH-CONTROL.

SALMONIDS

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

SALT-WATER

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

SALTS

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

STEPPUHN H : SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

SAMPLING

CORNWALL B : FLUE-DUST SAMPLING. METEOROLOGY.

FREDEEN F J H : QUANTITATIVE SAMPLING OF INVERTEBRATES IN RIVERS, ESPECIALLY BLACK-FLIES SIMULIIDAE (DIPTERA).

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

LESLIE J K : LARVAL FISH-ECOLOGY; TAXONOMY, DEVELOPMENT OF SAMPLING TECHNIQUES.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

WILLIAMS D T : DEVELOPMENT OF SAMPLING AND ANALYTICAL METHODS FOR ENVIRONMENTAL ORGANIC CONTAMINANTS. MONITORING OF ORGANIC CONTAMINANTS IN DRINKING-WATER, INDOOR-AIR AND HUMAN-TISSUES. REMOVAL OF ORGANIC CONTAMINANTS FROM DRINKING-WATER.

SAMPLING-DESIGN

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

SAMPLING-METHODS

BOBEE B : STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.

SAND-DUNES

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES. INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

SANITATION

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

SANTE

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

SANTE

LACOURSIERE JP : CHEF DE SERVICE SANTE, SECURITE ET ENVIRONNEMENT. ELIMINATION DES SULFURES PAR OXYDATION CATALYTIQUE EN PHASE GAZEUSE COMPTE RENDU AWTR/FACE 1983.

SASKATCHEWAN

HAGE K D : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.
HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN). PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.
HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).
LECHNER L J : IN CHARGE OF THE AIR-POLLUTION-CONTROL PROGRAM IN SASKATCHEWAN WHICH DEALS WITH THE CONTROL OF AIR-CONTAMINANTS FROM INDUSTRY.
SASKATCHEWAN FORESTRY ASSOCIATION : THE SASKATCHEWAN FORESTRY ASSOCIATION IS A (REGISTERED) CANADIAN CHARITABLE ORGANIZATION DEDICATED TO THE WISE USE OF OUR FOREST-RESOURCE. WITH ITS SISTER FORESTRY ASSOCIATIONS, IT SEEKS TO PROMOTE PUBLIC-AWARENESS AND STIMULATE INTEREST IN OUR FORESTS, AND INTER-DEPENDENT RESOURCES.

SATELLITE

CIHLAR J : APPLICATIONS OF REMOTE-SENSING TECHNIQUES (AIRBORNE AND SATELLITE) TO THE INVENTORY, MONITORING AND MANAGEMENT OF NATURAL-RESOURCES.
MORRISSEY E G : SATELLITE METEOROLOGY. RESEARCH, APPLICATIONS, READOUT-SYSTEMS, IMAGE-ANALYSIS SYSTEMS; SATELLITE DATA ASSIMILATION.
SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).
TAGGART C I : AIR-PHOTO INTERPRETATION; MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION; REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY; FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS; PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.
TOMLINS G F : APPLICATION OF SATELLITE REMOTE-SENSING DATA FOR ENVIRONMENTAL-IMPACT-ASSESSMENT AND ENVIRONMENTAL-MONITORING. DIGITAL IMAGE ANALYSIS. DEVELOPMENT OF MINI-RPV'S (UNMANNED AIRCRAFT) FOR AERIAL-SURVEILLANCE AND MONITORING.

SATELLITE-METEOROLOGY

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SAWFLIES

WONG H R : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA: SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE ARCTIC AND PALAEARCTIC SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

SAWMILLING

MATHUR V N P : EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

SCALLOPS

BOURNE DR N : BIOLOGICAL RESEARCH IN ESTUARINE-ECOLOGY WITH EMPHASIS ON BIVALVE MOLLUSCS. ASSESSMENT OF POPULATION-DYNAMICS OF BIVALVES FOR OPTIMUM MANAGEMENT OF RESOURCE. PRESENT RESEARCH MAINLY IN AQUACULTURE WITH EMPHASIS ON CULTURE OF OYSTERS, CLAMS AND SCALLOPS.

SCIENTIFIC-ADVISORY-COMMITTEE

SCIENTIFIC-ADVISORY-COMMITTEE

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

SCIENTIFIC-POLICY

NURSALL J R : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC-POLICY; WASTE-MANAGEMENT.
SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

SCIENTIFIC/TECHNICAL

SUTTON ROY F : PLANTATION ESTABLISHMENT IN FORESTRY (REGENERATION-SILVICULTURE) IN THE BOREAL-FOREST: ALSO SCIENTIFIC/TECHNICAL EDITING.

SCRUBBERS

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

SEA-WATER

PAGE J A : TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.

SEABIRDS

BOYD H : STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.
BROWN R G B : THE PELAGIC ECOLOGY OF SEABIRDS; THE EFFECTS OF OIL AND OTHER POLLUTANTS ON SEABIRDS.
NETTLESHIP D N : HEAD LONG-TERM RESEARCH PROGRAM ON REPRODUCTIVE AND PELAGIC-ECOLOGY OF SEABIRD POPULATIONS IN NORTH-WEST ATLANTIC, PARTICULARLY ATLANTIC CANADA AND EASTERN CANADIAN ARCTIC. PUBLICATIONS INCLUDE: "ATLAS OF EASTERN CANADIAN SEABIRDS", "ECOLOGICAL SITES IN NORTHERN CANADA", "CONSERVATION OF MARINE BIRDS OF NORTHERN NORTH-AMERICA", AND "THE THICK-BILLED MURRES OF PRINCE-LEOPOLD ISLAND; BREEDING ECOLOGY OF A COLONIAL HIGH ARCTIC SEABIRD."
VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

SEALS

SERGEANT D E : BIOLOGY AND MANAGEMENT OF MARINE MAMMALS (SEALS, WHALES) IN THE NORTHERN HEMISPHERE.

SEAPORTS

LACATE D S : ENVIRONMENTAL-IMPACT-ASSESSMENT OF MAJOR DEVELOPMENTS (PIPELINES, DEEP SEAPORTS, AIRPORTS, HIGHWAYS, ETC.) ON LAND-RESOURCES: APPLICATION OF REMOTE-SENSING TO LAND-RESOURCE INVENTORIES AND LAND-USE PLANNING.

SEAWATER

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

SEAWEED

HSIAO STEPHEN I C : PHYSIOLOGICAL ECOLOGY OF ARCTIC MARINE PHYTOPLANKTON, SEA ICE MICROALGAE AND SEAWEED.

SECHERESSE

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

SEDIMENT

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT-DATA IN DATA-BANKS (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BANKS CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

KICENIUK J W : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

SEDIMENT-ANALYSES

PAGE J A : TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.

SEDIMENT-DATA

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT-DATA IN DATA-BANKS (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BANKS CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.

SEDIMENT-MICROBIOLOGY

INNISS W E : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.

SEDIMENT-TRANSPORTATION

TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.

SEDIMENT-WATER

MACKNIGHT S D : IMPACTS OF DREDGING AND DREDGED MATERIAL DISPOSAL; DISPOSAL OF DRILLING MUDS AND FLUIDS; DISPOSAL IN OCEANS; ESTUARINE-CHEMISTRY; CHEMICAL OCEANOGRAPHY; BIOAVAILABILITY OF METALS; SEDIMENT-WATER INTERACTIONS.

SEDIMENTARY

SIMPSON F : POROSITY-PERMEABILITY VARIATION IS RELATED TO LITHOLOGIC ASSOCIATIONS AND SEDIMENTARY STRUCTURES IN SEARCH RATIONALES, APPLIED TO RESERVOIR DEVELOPMENT IN EXPLOITATION OF HYDROCARBONS AND DEEP-WELL DISPOSAL OF FLUID, INDUSTRIAL-WASTES.

SEDIMENTATION

BOADWAY J D : SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY, SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SEDIMENTOLOGICAL

D'ANGLEJAN B F : HYDROGRAPHIC, SEDIMENTOLOGICAL AND GEOCHEMICAL RESEARCH IN ESTUARIES AND COASTAL-WATERS, INCLUDING IMPACT-STUDIES OF RIVER HYDRO-ELECTRIC DEVELOPMENTS ON THE NEARSHORE ZONE.

SEDIMENTS

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

DAVIES R W : ANALYSIS OF THE EFFECTS OF PERTURBATIONS BOTH NATURAL AND MAN-INDUCED ON MACROBENTHOS OF LAKES AND RIVERS. EMPHASIS ON THE EFFECTS OF CHLORINE AND CHANGES IN SUSPENDED AND DEPOSITED SEDIMENTS.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KILLEY RWD : BOTH PHYSICAL AND CHEMICAL ASPECTS OF THE MOVEMENT/RETARDATION OF CONTAMINANTS IN GROUNDWATER FLOW-SYSTEMS IN UNCONSOLIDATED SEDIMENTS.

LES CONSULTANTS BPR : ETUDES ENVIRONNEMENTALES RELATIVES AU DOMAINE DU DRAGAGE DE SEDIMENTS CONTAMINES. ETUDES ENVIRONNEMENTALES RELATIVES AUX MINES.

MACKO SA : STABLE ISOTOPE GEOCHEMISTRY, MARINE ORGANIC GEOCHEMISTRY, PETROLEUM-POLLUTION, BIOGEOCHEMISTRY, FOOD-WEBS, DIAGENESIS OF ORGANIC MATTER, SEDIMENTS.

OLIVER B G : PATHWAYS OF ORGANIC CONTAMINANTS IN SEDIMENTS; BY-PRODUCTS OF DRINKING-WATER CHLORINATION.

OUELLET MARCEL : PALEOLIMNOLOGICAL STUDY OF LAKE SEDIMENTS AS A MEANS OF RECONSTRUCTING PAST ANTHROPOGENIC IMPACTS. LONG-RANGE ATMOSPHERIC-POLLUTANTS SUCH AS ADDIFYING PRODUCTS, HEAVY-METALS, FLUORIDES AND POLYCYCLIC-HYDROCARBONS.

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

SEED

FOGAL W H . FOREST PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL CONTROL (GROUND APPLICATIONS), BIOLOGICAL CONTROL (MICROBIALS), CULTURAL CONTROL (HOST RESISTANCE; STAND MANAGEMENT)

SEED ORCHARD

SEGARAN S . SEED ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT

SEED PRODUCTION

WINSTON D . SEED PRODUCTION, GERMINATION, AUTECOLOGY IN EASTERN CANADIAN CONIFERS

SEEDLING

SCARRATT J B . USE OF BARE ROOT AND CONTAINERIZED TREE SEEDLINGS IN REFORESTATION PRACTICE, EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING

SEEDLING PLANTING MACHINES

MOSS A . MY FIRM HAS CONCENTRATED ON RESEARCH AND DEVELOPMENT OF MECHANICAL FOREST TREE SEEDLING PLANTING MACHINES AND OTHER MECHANIZED SILVICULTURAL EQUIPMENT. SPECIAL STUDY OF ASPEN

SEEDLINGS

BAYLY ISABEL DR . DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS, WATER QUALITY, ACID PRECIPITATION EFFECTS ON FOREST SEEDLINGS

SEEPAGE

NICHOLAICHUK W . SOILS AND WATER CONSERVATION, WATER MANAGEMENT, EFFLUENT IRRIGATION, SNOW MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER QUALITY AND RUN OFF, SALINITY CONTROL, ETC

SELENIUM

CARTY A J . HEAVY METAL POLLUTION IN THE ENVIRONMENT, BINDING OF HEAVY METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE, CHELATION THERAPY FOR HEAVY METALS, METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT; SELENIUM PROTECTION AGAINST HEAVY METALS
MCBRIDE B C . BIOTRANSFORMATION OF ARSENIC, SELENIUM AND MERCURY; BIOACCUMULATION OF HEAVY METALS, MECHANISMS OF BACTERIAL ADHERENCE TO IMMOBILIZED SURFACES

SEMIOCHEMISTRY

SILK P J . INSECT SEX PHEROMONES, ALTERNATE PEST CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE, SEMIOCHEMISTRY, INSECT BEHAVIOUR, PESTICIDE RESEARCH (RESIDUE CHEMISTRY, ANALYTICAL ORGANIC CHEMISTRY)

SESQUISULPHIDE

TODD AD . PLANT EXPERIENCE IN THE HANDLING, TRANSFER, AND IN EMERGENCY RESPONSE PROCEDURES FOR SODIUM CHLORATE, YELLOW PHOSPHORUS, RED AMORPHOUS PHOSPHORUS, PHOSPHORUS SESQUISULPHIDE AND PHOSPHORIC ACID

SEWAGE

KOHLI B . PHYSICAL LIMNOLOGY; MODELLING OF WATER MOVEMENTS, DISPERSION, UPWELLING/DOWNWELLING PROCESSES, ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES, LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

SEWAGE

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

ROMANO L S : CHEMICAL ENGINEERING. MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.

SEWAGE-DISPOSAL

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

SEWAGE-SLUDGE

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

SEWAGE-TREATMENT

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

SEX-PHEROMONES

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

SILK P J : INSECT SEX-PHEROMONES. ALTERNATE PEST-CONTROL STRATEGIES IN FORESTRY AND AGRICULTURE. SEMIOCHEMISTRY, INSECT-BEHAVIOUR. PESTICIDE RESEARCH (RESIDUE CHEMISTRY ANALYTICAL ORGANIC-CHEMISTRY).

SHELLFISH

UTHE JOHN F : STUDY OF METHODS OF MEASUREMENT OF CHEMICAL-CONTAMINANTS IN FISH-POPULATIONS AND DETECTION OF TREND IN CONTAMINANT LEVELS OVER TIME. INVESTIGATION OF SITUATIONS WHERE CONTAMINANTS IN FISH-PRODUCTS MAY POSE A CONSUMER CONCERN. INVESTIGATION OF THE EFFECTS OF SELECTED CONTAMINANTS ON THE STEROID HORMONE METABOLISM OF SELECTED SPECIES OF FISH AND SHELLFISH.

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

SHELTER-BELTS

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

SHIPPING

PATERSON RODNEY J : PROTECTION OF MARINE HABITAT AND MARINE FISHERIES FROM IMPACTS OF OFFSHORE-DEVELOPMENTS AND SHIPPING. INCLUDES CONTINGENCY-PLANNING AND MONITORING PROGRAMS.

SHANTORA V : DIVISION RESPONSIBLE FOR THE DEVELOPMENT OF ENVIRONMENTAL-PROTECTION MEASURES RELATED TO MOTOR-VEHICLES, PIPELINES, SHIPPING, ROADS AND PORTS AND HARBOURS.

SHORELINE

COAKLEY JOHN P : POST-PLEISTOCENE AND MODERN EVOLUTION OF THE COASTAL-ZONE, INCLUDING THE EFFECTS OF NATURAL AND MAN-INDUCED PROCESSES. BEACH AND SHORELINE CONSERVATION IN THE FACE OF INDUSTRIAL AND RECREATIONAL-DEVELOPMENT OF THE COASTAL-ZONE.

SHORES

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

SHRIMP

SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

SAWCHYN W W : AQUATIC ECOLOGY WITH EMPHASIS ON FISHERIES, AQUATIC ENTOMOLOGY, BRINE SHRIMP AND AQUACULTURE.

SHRUBS

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

SILVICULTURAL

HADDON B D : FOREST RESOURCE STATISTICS, PARTICULARLY SILVICULTURAL TREATMENTS.

MOSS A : MY FIRM HAS CONCENTRATED ON RESEARCH AND DEVELOPMENT OF MECHANICAL FOREST TREE SEEDLING-PLANTING-MACHINES AND OTHER MECHANIZED SILVICULTURAL EQUIPMENT. SPECIAL STUDY OF ASPEN.

SILVICULTURAL-PRACTICES

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS

SILVICULTURE

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING: TIMBER YIELD ANALYSIS BY COMPUTER.

CARLSON LW : DIRECTOR OF FOREST-RESEARCH AND DEVELOPMENT. SILVICULTURE AND FOREST-PATHOLOGY.

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

JORGENSEN ERIK : SILVICULTURE; ARBORICULTURE AND AGROFORESTRY WITH AN EMPHASIS ON MANAGEMENT OF FARM-WOODLOTS IN ONTARIO, SPECIES SELECTION, CULTURAL TECHNIQUES AND DISEASE-CONTROL.

MORGENSTERN E K : FOREST-GENETICS, FOREST TREE-BREEDING, POPULATION-GENETICS, SILVICULTURE.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH. ENVIRONMENTAL-IMPACT-ASSESSMENTS. POLICY-DEVELOPMENT. PUBLIC-AWARENESS CAMPAIGNS.

ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

TIMMERLIN LTD : FOREST RESEARCH AND MANAGEMENT SPECIALIZING IN PRIVATE LAND. POLICY. SILVICULTURE, REFORESTATION, REVEGETATION, FOREST INVENTORY, GROWTH STUDIES.

SIMULATION

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

SIMULATION

BOADWAY J D : SEDIMENTATION AND CENTRIFUGAL SEPARATION MAIN AREA OF RESEARCH. HAVE DEVELOPED SPECIAL PATENTED DESIGNS OF CENTRIFUGES AND HYDRO-CYCLONES. EXPERTISE IN COMPUTER SIMULATION OF SEDIMENTATION.

SIMULATION-MODELLING

NEWKIRK RT : WITH VARIOUS COLLEAGUES. WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.

SITE-CLASSIFICATION

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

SITE-PREPARATION

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

SITE-SELECTION

ZYTARUK BRIAN G : ENVIRONMENTAL-ASSESSMENT; SITE-SELECTION STUDIES FOR INDUSTRIAL DEVELOPMENT; GROUNDWATER STUDIES (HYDROGEOLOGY) INVESTIGATION OF MOVEMENTS OF RADIONUCLIDES IN THE ENVIRONMENT.

SKIMMERS

TEDESCHI E T T : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

SLOPE-STABILITY

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

SLUDGE

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

LEE HENRY : ACTIVATED SLUDGE PROCESSES. LAGOON, AERATION TECHNIQUES. AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

PHINIOTIS E : CHEMICAL-ENGINEERING; FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

SLUDGE-TREATMENT

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS, OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

SMELL

WRIGHT R H : SENSE OF SMELL AS IT RELATES TO VERTEBRATES AND ALSO INVERTEBRATES. BASIC PHYSICO-CHEMICAL-PHYSIOLOGICAL MECHANISMS.

SMELTERS

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS. HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS. CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

SNAIL

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

SNOW

DAUGHERTY DA : INFLUENCE OF FOREST-COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

SNOW-AND-ICE

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

LENNOX DH : HYDROGEOLOGY, SURFACE-WATER MODELLING, GLACIOLOGY, SNOW-AND-ICE PHENOMENA.

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

SNOW-AVALANCHE

GERATH R F : AERIAL-PHOTOGRAPHY INTERPRETATION FOR GEOTECHNICAL ENGINEERING AND RELATED ENVIRONMENTAL STUDIES. GEOLOGIC SPECIALIST IN ROUTE/SITE-LOCATION STUDIES AND LANDSLIDE AND SNOW-AVALANCHE HAZARD-EVOLUTIONS.

SNOW-COVER

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

SNOW-HYDROLOGY

STEPPUHN H : SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

SNOW-LOADING

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

SNOW-MANAGEMENT

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

SNOW-MELTERS

LOMBARD W K : COMBUSTION-EQUIPMENT; WASTE-INCINERATORS; HEAT-RECOVERY; SNOW-MELTERS.

SNOW:OUTDOOR-EDUCATION

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

SOCIAL

FENTON M B : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION, SOCIAL INTERACTIONS; FEEDING, CONTROL; COMMUNICATION; ULTRASONICS.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

LEWIS CA : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

WALL G : IMPACTS OF TOURISM AND RECREATION, E.G. PUBLICATION "TOURISM: ECONOMIC, PHYSICAL AND SOCIAL IMPACTS" (LONGMAN, LONDON 1983).

WHYTE ANNE V T : SOCIAL ASPECTS OF DEVELOPMENT, COMMUNITY PARTICIPATION ENVIRONMENTAL PERCEPTION, HUMAN RESPONSE TO HAZARDS, ENVIRONMENTAL RISK-ASSESSMENT.

SOCIAL-IMPACT-ASSESSMENT

MARSHALL D WI : ENVIRONMENTAL-PROTECTION, ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL DESIGN, ENVIRONMENTAL AND SOCIAL-IMPACT-ASSESSMENT, PUBLIC-PARTICIPATION, PROVISION OF TECHNICAL AND ADMINISTRATIVE ADVICE TO ENVIRONMENTAL REVIEW COMMISSIONS, CHAIRMAN OF PUBLIC REVIEW PANELS, POLICY-FORMULATION, PROGRAM AND PROJECT MANAGEMENT, ARCTIC PILOT PROJECT.

SOCIAL-POLICY

IZUMI K : PSYCHO-SOCIAL CONSIDERATIONS IN OR OF ENVIRONMENTAL-DESIGN WITH SPECIAL REFERENCE TO PHYSICALLY AND PSYCHOLOGICALLY DISABLED. NATURE OF HUMAN INFORMATION WITH REFERENCE TO SOCIAL-POLICY AND PLANNING. ENVIRONMENTAL ETHICS.

SOCIAL-SCIENTISTS

GREAT LAKES INSTITUTE : ONLY UNIVERSITY-BASED AGENCY IN CANADA DEVOTED TO GREAT-LAKES STUDIES. SOLVES ENVIRONMENTAL PROBLEMS IN THE LAKES' ECOSYSTEM. INCREASES PUBLIC-AWARENESS OF ENVIRONMENTAL ISSUES IN THE GREAT-LAKES BASIN. HAS EXPERTISE OF THIRTY PHYSICAL AND SOCIAL-SCIENTISTS.

SOCIAL-STUDIES

MCTAGGART COWAN J : MANAGER, ENVIRONMENTAL STUDIES REVOLVING FUND (EMR). IN CONJUNCTION WITH ESRF (IAND) FINANCES NECESSARY ENVIRONMENTAL AND SOCIAL-STUDIES RELATING TO PETROLEUM-EXPLORATION AND DEVELOPMENT ON CANADA LANDS.

SOCIETY

BERNHART A P : ENVIRONMENTAL PLANNING AND ENGINEERING CONCERNING THE FUTURE OF OUR SOCIETY.

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

MACDOUGALL D : DIRECTOR, ENVIRONMENTAL SCIENCES. AGRICULTURAL-CHEMISTRY DEGREES. MEMBER OF COMMITTEE ON ENVIRONMENTAL-IMPROVEMENT, AMERICAN CHEMICAL SOCIETY.

POLLUTION PROBE FOUNDATION : THE POLLUTION-PROBE-FOUNDATION IS COMMITTED TO DEVELOPING AND MAINTAINING AN AWARENESS OF ENVIRONMENTAL ISSUES AT ALL LEVELS OF CANADIAN SOCIETY AND THROUGH RESEARCH AND REASONED DEBATE. ENCOURAGING INDIVIDUALS, CORPORATIONS, COMMUNITIES AND GOVERNMENTS TO ADOPT PRAGMATIC SOLUTIONS TO PRESSING ENVIRONMENTAL PROBLEMS FACING OUR COUNTRY.

VALLENTYNE JOHN R : ENVIRONMENTAL EDUCATION; LIMNOLOGY; SCIENCE AND SOCIETY INTERACTION.

SOCIO-CULTURAL

KARIEL H G : NOISE IN OUTDOOR RECREATIONAL ENVIRONMENTS; ENVIRONMENTAL PERCEPTION, SOCIO-CULTURAL AND ENVIRONMENTAL CHANGE ASSOCIATED WITH TOURISM; DIFFUSION OF IDEAS AND ARTIFACTS.

SOCIO-ECONOMIC

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

LEVERTON DR : LAND-USE PLANNING, RESOURCE-MANAGEMENT, SOCIO-ECONOMIC IMPACT ASSESSMENT, RESOURCE ANALYSIS, MARKETING STRATEGIES, AQUATIC MONITORING, RECREATIONAL-PLANNING, INTERPRETIVE TRAIL LAYOUT AND DESIGN, ENERGY-CONSERVATION, ENVIRONMENTAL-IMPACT-ASSESSMENT AS WELL AS MANAGEMENT CONSULTING.

THOMPSON JP : NATURAL-RESOURCE ECONOMICS (SPECIFICALLY THE SHADOW PRICING OF BIOPHYSICAL IMPACT INFORMATION FOR USE IN COST-BENEFIT ANALYSIS), SOCIO-ECONOMIC IMPACT ASSESSMENT, ECONOMIC FEASIBILITY STUDIES, RECREATION-INVENTORY STUDIES.

SOCIOLOGICAL

BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.

SODIUM-CHLORATE

TODD AD : PLANT EXPERIENCE IN THE HANDLING, TRANSFER, AND IN EMERGENCY RESPONSE PROCEDURES FOR SODIUM-CHLORATE, YELLOW PHOSPHORUS, RED AMORPHOUS PHOSPHORUS, PHOSPHORUS SESQUISULPHIDE AND PHOSPHORIC-ACID.

SODIUM-REGULATION

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

SODIUM-REGULATION

SOFTWARE

BOYLE A R : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC-INFORMATION SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FORESTRY-MANAGEMENT.

SOIL

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

BAILEY LD : RESEARCH IN AREAS RELATING TO SOIL QUALITY AND FACTORS THAT AFFECT SOIL DEGRADATION AND LOSS OF PRODUCTIVITY; TECHNIQUES THAT WOULD INCREASE THE EFFICIENCY OF USE OF FERTILIZERS THUS REDUCING THE ABSOLUTE QUANTITIES REQUIRED.

BAKER B E : PESTICIDES AND HERBICIDE RESIDUES IN SOIL AND WATER; METHODS OF CONFIRMATION.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CRANDLEMIRE A L : ENVIRONMENTAL QUALITY-MONITORING, ASSESSMENT AND SURVEY-DESIGN: AIR, WATER, SOIL.

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

DOMIER DR KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL-ENGINEERING: POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

FOSTER N W : SOIL PLANT RELATIONSHIPS WITH EMPHASIS ON INTERACTION OF NITROGEN FERTILIZER WITH FOREST-SOILS; THE BIOGEOCHEMICAL CYCLE OF MAJOR PLANT-NUTRIENTS IN FORESTS; AND THE EFFECT OF ACID-RAIN ON FOREST SOIL PROPERTIES.

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

GREENHALGH R : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR PESTICIDES AND THEIR METABOLITES IN ANIMAL, PLANT AND ENVIRONMENTAL MATRICES. STUDIES ON THE FATE OF PESTICIDES USING AQUATIC MODELS AND THE BIOAVAILABILITY OF PESTICIDES IN SOIL AND THE EFFECT OF MICROORGANISMS ON THEIR PERSISTENCE.

HAY G W : ANALYSIS OF CARBOHYDRATES IN SOIL, AND SURFACE AND MARINE WATERS.

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS, ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

HOFFMAN D : LAND-EVALUATION PARTICULARLY FOR AGRICULTURE, FORESTRY AND RECREATION. EMPHASIS ON THE DEVELOPMENT OF MATHEMATICAL-MODELS USING MULTIVARIATE ANALYSIS OF PHYSICAL, SOCIAL AND ECONOMIC VARIABLES. SOIL GENESIS AND CLASSIFICATION AND RURAL-PLANNING AND DEVELOPMENT.

KENG J C W : SOIL-PHYSICS AND SOIL AND WATER-ENGINEERING. FARM-SOIL AND WATER-MANAGEMENT, NUTRIENT MOVEMENT IN SOIL PROFILE AND GROUNDWATER POLLUTIONS.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

MCCOY D : ACID-DEPOSITION; SOIL CHEMISTRY; RECLAMATION.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

SOIL

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

O'SULLIVAN P A : BASIC AND APPLIED RESEARCH WITH EXPERIMENTAL AND LICENSED HERBICIDES; MODE OF ACTION, BASIS FOR SELECTIVITY; BEHAVIOUR IN MIXTURES; RESIDUE IN SOIL.

PALMER CJ : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

READ D C : TOXICITY AND PERSISTENCE OF PESTICIDES IN SOIL AND PLANT-TISSUE.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

ROSLYCKY E B : STUDIES OF THE IMPACT OF HERBICIDES, AND OTHER PESTICIDES, ON SOIL MICROFLORA IN RELATION TO BASIC SOIL PHYSIOLOGICAL PROCESSES, INCLUDING NITROGEN-FIXATION, SOIL FERTILITY, PESTICIDE ACCUMULATION, RESIDUE FORMATION AND EFFECTS OF VARIOUS AMENDMENTS, INCLUDING BIOTIC, ON ITS BREAKDOWN.

ROWLES CHARLES A : SOIL PHYSICS, CHEMISTRY, FORMATION, CLASSIFICATION, LAND-USE AND CONSERVATION. HAVE TAUGHT UNDERGRADUATE AND GRADUATE COURSES IN THESE AND OTHER AREAS. DIRECTED RESEARCH AND ADMINISTERED PROGRAMS FOR UNIVERSITIES AND GOVERNMENT AGENCIES.

SCHEELAR M D : SOIL MAPPING, CLASSIFICATION. SOIL CAPABILITY FOR AGRICULTURE SOIL INTERPRETATIONS FOR ENGINEERING USES AND FOR RECREATIONAL USES.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

SMITH T D : EFFECTS OF INSECTICIDES ON NON-TARGET SOIL FAUNA.

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

WINTERHALDER KEITH : LIMITING FACTORS ON ACID, METAL-CONTAMINATED LAND AND REVEGETATION USING SOIL AMELIORATION AND TOLERANT PLANT BIOTYPES, CYCLING OF COPPER, NICKEL AND ALUMINUM IN UNLIMED AND LIMED, CONTAMINATED-ECOSYSTEMS.

SOIL-CHEMISTRY

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS. PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

SOIL-CLASSIFICATION

SENYK JOHN P : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

SOIL-FAUNA

KEVAN D K : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES. ETC.) SOIL-FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

SOIL-FERTILITY

BATES T E : PLANT-NUTRIENT RESPONSE AND TOXICITY. HEAVY-METAL AVAILABILITY TO PLANTS. SOIL-FERTILITY.

ROBERGE MRR : FOREST SOIL-FERTILITY AND MICROBIOLOGY AND FOREST-MANAGEMENT AND SILVICULTURE.

SOIL-FORMATION

PROTZ R : SOIL-GENESIS AND CLASSIFICATION. REMOTE-SENSING APPLICATIONS TO AGRICULTURE. RATE OF PODZOLIC SOIL-FORMATION NEAR HUDSON-BAY, ONTARIO.

SOIL-MANAGEMENT

DEVRIES J : HYDROLOGY OF MOUNTAIN SLOPES. WATER AND SOIL-MANAGEMENT OF LOWLAND SOILS USED FOR AGRICULTURE.

SOIL-MICRO-ORGANISMS

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT. UPTAKE. EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA. ALGAE. AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

SOIL-MICROBIOLOGY

REYES A A : SOIL-MICROBIOLOGY. ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES. E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

SOIL-MICROORGANISMS

TU C M : INTERACTION BETWEEN PESTICIDES AND SOIL-MICROORGANISMS.

SOIL-POLLUTION

FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING. POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR. WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

SOIL-REHABILITATION

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

SOIL-SAMPLES

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

SOIL-SCIENTIST

RAAD AWNI : SOIL-SCIENTIST WITH MAJOR WORK IN CALCAREOUS SOILS AND THE INFLUENCE OF CACO3 ON NUTRIENTS MOBILITY IN SOILS.

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

SOIL/SEDIMENT

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

SOILS

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

BOYLE R W : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

COOTE D R : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

DEVRIES J : HYDROLOGY OF MOUNTAIN SLOPES. WATER AND SOIL-MANAGEMENT OF LOWLAND SOILS USED FOR AGRICULTURE.

DIMMA DIANNE : DETERMINES THE SENSITIVITY OF ONTARIO SOILS TO ACIDIC-PRECIPITATION. RESEARCH INCLUDES THE COLLECTION OF BASELINE SOIL INFORMATION, THE COMPILATION OF SOIL-SENSITIVITY MAPS, SIMULATED ACIDIC-PRECIPITATION EXPERIMENTS AND SOIL-BUFFERING CURVE EXPERIMENTS.

GRIFFIN H D : AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS, PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.

LINZON S N : EFFECTS OF AIR-POLLUTION ON SOILS, CROPS, AND FORESTRY (INCLUDES SO2, F, O3, ACID-RAIN, ETC.).

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

MALHOTRA S S : AIR-POLLUTANTS: IMPACT ON FOREST-VEGETATION AND SOILS; PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF FOREST-VEGETATION; SYMPTOMATOLOGY OF INJURY TO FOREST-VEGETATION.

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

MILNE R A : SOILS: STUDIES AND RESEARCH IN DRIFTING, CHEMISTRY, SURVEY, SALINITY AND DRAINAGE.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

PALMER CJ : RESEARCH IS IN THE AREA OF EFFECTS OF ACID-DEPOSITION ON SOILS. SPECIFIC PROJECTS INCLUDE LONG-TERM MONITORING OF SOIL PH AND OTHER CHEMICAL PROPERTIES AND THE STUDY OF SOIL BUFFERING PROCESSES.

PENNER E : ENGINEERING PROPERTIES OF SOILS; SLOPE-STABILITY; BUILDING FOUNDATIONS; EFFECTS OF FROST ON SOILS; FROZEN SOILS (PERMAFROST); GROUND HEAT FLOW; SNOW-AND-ICE EFFECTS ON STRUCTURES; STRENGTH OF ICE; AVALANCHES.

RAAD AWNI : SOIL-SCIENTIST WITH MAJOR WORK IN CALCAREOUS SOILS AND THE INFLUENCE OF CACO3 ON NUTRIENTS MOBILITY IN SOILS.

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

SMITH A E : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

SOILS

STEPPUHN H : SUBSURFACE HYDROLOGY: SOILS AND NEAR-SURFACE AQUIFERS INCLUDING THE FLUIDS AND SALTS WHICH MOVE IN THESE MEDIA. SNOW-HYDROLOGY.

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

WARREN H V : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

SOL

CHAMBERLAND E : ETUDE SUR LE DESTIN DES ENGRAIS CHIMIQUES A LONG TERME ET LEUR EFFET SUR LES PROPRIETES DU SOL. EXAMEN DES SOLS EN PROFONDEUR DANS DES PARCELLES DE CHAMPS VOUES AUX GRANDES CULTURES; PRAIRIES, CEREALES, MONOCULTURE DE MAIS ETC.

SOLAR

CHAPPELL M S : CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

SOLICITOR

LANDIS H : ENVIRONMENTAL-LAW. GENERAL COUNSEL TO THE MINISTRY OF THE ENVIRONMENT (ONTARIO) AND SENIOR SOLICITOR TO THE FORMER ONTARIO WATER-RESOURCES COMMISSION.

SOLID-WASTE

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

CAMERON R D : SOLID-WASTE COLLECTION, TREATMENT DISPOSAL. MUNICIPAL UTILITIES DESIGN, CONSTRUCTION MANAGEMENT. WASTEWATER-TREATMENT AND DISPOSAL.

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

ROBERTS KJ : DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION, TREATMENT AND DISPOSAL, SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

SOLID-WASTES

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.
WILLIAMS R B : RESPONSIBLE FOR ENVIRONMENTAL-CONTROL (AIR, WATER AND SOLID-WASTES) AT A 1000 TONNE PER DAY INTEGRATED PULP-AND-PAPER MILL.

SOLS

CHAMBERLAND E : ETUDE SUR LE DESTIN DES ENGRAIS CHIMIQUES A LONG TERME ET LEUR EFFET SUR LES PROPRIETES DU SOL. EXAMEN DES SOLS EN PROFONDEUR DANS DES PARCELLES DE CHAMPS VOUES AUX GRANDES CULTURES: PRAIRIES, CEREALES, MONOCULTURE DE MAIS ETC.
JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

SOLVENTS

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC: TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

SONGBIRD

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH, AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

SPECIATION

ANDERSON P D : PRIMARY FOCUS OF RESEARCH IS THE DEVELOPMENT OF MODELS FOR THE ASSESSMENT OF THE TOXICITY OF MIXTURES OF ENVIRONMENTAL POLLUTANTS TO AQUATIC-ORGANISMS. OTHER STUDIES INVESTIGATE THE ROLE OF BIOLOGICAL FACTORS (E.G. SIZE, SPECIATION) ON TOXICITY TOLERANCE; TOXICO-KINETICS AND MECHANISMS.
CHAU Y K : INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION. SPECIATION ANALYSIS OF ORGANOMETALS.
LANGFORD C H : STUDIES OF SPECIATION OF METAL-IONS AND MOBILITIES OF PESTICIDES IN NATURAL WATER-SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC SUBSTANCES DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.
TESSIER A : ETUDE DES RELATIONS ENTRE LA SPECIATION DE METAUX-TRACES ET LEUR ACCUMULATION DANS DES ORGANISMES-BIOLOGIQUES.

SPECIES-IDENTIFICATION

SWAN E P : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES-IDENTIFICATION.

SPECTROMETRIE

BARIL M : ETUDE PAR SPECTROMETRIE DE MASSE DES EMPREINTES CARACTERISANT LES SOURCES POLLUANTES D'AEROSOLS ATMOSPHERIQUES ACIDIFIANTS. (AEROSOLS).

SPECTROMETRY

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS. TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.
VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

SPECTROPHOTOMETRIC

MEHRA M C : TRACE-ELEMENTS ANALYSIS IN ENVIRONMENTAL SAMPLES. STUDY OF CHEMICAL REACTIONS OF ANALYTICAL INTEREST BY SPECTROPHOTOMETRIC AND ATOMIC-ABSORPTION TECHNIQUES.

SPECTROPHOTOMETRY

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION. GAS. LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY, ATOMIC-ABSORPTION, ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY, LIQUID CHROMATOGRAPHY, THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

SPECTROSCOPIC

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

SPECTROSCOPY

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION. BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.

PRESTON KEITH : ELECTRON SPIN RESONANCE SPECTROSCOPY.

STILES SA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILLAGE DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.

SPILL-CONTROL

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

SPORICIDES

WALLBANK A M : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

SPORTFISH

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

SPRAY

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

SPRAY-DRIFT

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

REID JD : PLANETARY BOUNDARY-LAYER STUDIES, ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

SPRAYING

PEARCE P A : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY.

SPRUCE

GORDON A G : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

MURRAY G : FOREST-GENETICS RESEARCH WITH EMPHASIS ON GENECOLOGY AND BREEDING OF WHITE SPRUCE (PICEA-GLAUCA) AND LARCH (LARIX).

SPRUCE-BUDWORM

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

ST-LAWRENCE

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

KOHLER CARL : GROUNDFISH BIOLOGY, LIFE HISTORY AND SURVEYS. ICHTHYOPLANKTON SURVEYS IN THE GULF OF ST-LAWRENCE AND ON THE SCOTIAN SHELF.

SCOTT J S : GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE. ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

STABILIZATION

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

STACK

GNYP A W : STACK, AMBIENT AND IN-PLANT SAMPLING AND CONTINUOUS MONITORING FOR PARTICULATE AND GASEOUS POLLUTANTS: PARTICLE-SIZING: ODOUR-MEASUREMENT AND CONTROL: DESIGN OF CONTROL EQUIPMENT FOR GASEOUS PARTICULATE AND ODOUROUS POLLUTANTS: LONG AND SHORT RANGE ATMOSPHERIC-TRANSPORT: SOLID-WASTE DISPOSAL.

STAIN

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD. INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION. ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

STAND-MANAGEMENT

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

STAND-TENDING

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

STANDARDIZATION

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

TONKS D B : TRACE-METAL ANALYSIS. PROFICIENCY TESTING (INTER-LABORATORY COMPARISONS). QUALITY-CONTROL OF ANALYTICAL PROCEDURES. INTERNATIONAL STANDARDIZATION OF ANALYTICAL METHODS FOR TRACE-METAL ANALYSES IN BIOLOGICAL SPECIMENS.

STANDARDS

DAVIS A R : EXPERTISE IN THE FIELD OF WATER-QUALITY MANAGEMENT, ESPECIALLY IN WATER-QUALITY OBJECTIVES AND STANDARDS CHEMISTRY OF FRESHWATER-SYSTEMS.

MATHUR V N P : EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

MCADIE H G : AIR-MONITORING SURVEYS. ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT. ATMOSPHERIC-TRANSPORT. INTERNATIONAL STANDARDS.

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.

ROBERTS J RUSSELL : ASSESSMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL STANDARDS: PREDICTION OF FATE OF ORGANIC-CHEMICALS IN THE ENVIRONMENT: COORDINATION OF IMPACT AND CRITERIA ASSESSMENTS: MODELS FOR ACCUMULATION OF ORGANIC-CHEMICALS.

SIMS WA : INVESTIGATION OF ALLOCATIVE AND DISTRIBUTIONAL IMPLICATIONS OF ALTERNATIVE ENVIRONMENTAL PUBLIC-POLICIES; THE COMPARISON OF ALTERNATIVE ENVIRONMENTAL INCENTIVE SCHEMES (I.E. CHARGES, STANDARDS, RIGHTS SCHEMES, ETC).

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

STAPHYLOCOCCUS

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION. SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH. CONTAMINATION OF BARBECUED CHICKENS. CANNED FOOD METHODOLOGY. PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY. CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

STATISTICAL

BOBEE B : STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

DOOLEY J E : DECISION PROCESSES AND STATISTICAL INFORMATION-SYSTEMS APPLICABLE TO RISK AND ENVIRONMENTAL-MANAGEMENT.

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

STATISTICAL-ANALYSIS

CASE BIOMANAGEMENT CONSULTANTS LTD : AIR-POLLUTION AND ACID-PRECIPITATION BIOMONITORING; ENVIRONMENTAL-MONITORING PROGRAM DESIGN AND IMPLEMENTATION; MICROCOMPUTER APPLICATIONS TO AUTOMATIC INSTRUMENT CONTROL, DATA-COLLECTION, STATISTICAL-ANALYSIS AND DAY TO DAY OPERATIONS OF SMALL TO MEDIUM-SIZED ENVIRONMENTAL CONSULTING COMPANIES AND PROFESSIONALS.

GREEN R H : BASIC AND APPLIED RESEARCH ON FRESHWATER AND MARINE POPULATIONS AND COMMUNITIES OF ORGANISMS. SAMPLING-DESIGN AND STATISTICAL-ANALYSIS METHODS FOR SUCH STUDIES. POLLUTION ORIENTED STUDIES.

STATISTICAL-DESIGN

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

STATISTICAL-MODELLING

PILON PAUL J : STATISTICAL-MODELLING, PHYSICAL (CONCEPTUAL) MODELLING, DATA SCREENING, FLOOD-FREQUENCY ANALYSIS, MICRO-COMPUTER USER-FRIENDLY PROGRAMMING, REGRESSION ANALYSIS, FILLING-IN MISSING HYDROMETRIQUE RECORDS.

STATISTICIANS

ENGINEERING AND STATISTICAL : INSTITUTE ESTABLISHED IN 1978 BRINGING TOGETHER EXPERTS IN THE MAJOR ENGINEERING FIELDS, STATISTICIANS AND COMPUTER-PROGRAMMERS TO SUPPORT THE ACTIVITIES OF AGRICULTURE CANADA AND THE CANADIAN AGRICULTURAL INDUSTRY. MUCH OF THE WORK BEING DONE CONCERNS THE ENVIRONMENT.

STATISTICS

HADDON B D : FOREST RESOURCE STATISTICS, PARTICULARLY SILVICULTURAL TREATMENTS.

HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.

POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

STEEL-SLAGS

LUM K R : CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.

STERILISATION

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL; LOISIR ORNITHOLOGIQUE.

STOCK

SANDEMAN F J : STOCK ASSESSMENT AND RELATED RESEARCH ON FISH OF GENUS SEBASTES, SHRIMP (PANDALUS SP.) AND CRABS (CHIONOCETES OPILIO). EXPERTISE IN MANAGEMENT OF RESEARCH AND DEVELOPMENT PROJECTS AND FISHERIES-MANAGEMENT POLICY DEVELOPMENT. INTEREST IN COMPUTER BASED DATA-ACQUISITION METHODOLOGY.

SMITH HD : FISHERIES AND FISH-HABITAT RESEARCH MANAGEMENT, STOCK ASSESSMENTS AND SOCKEYE SALMON (O.NERKA) BIOLOGY AND POPULATION-DYNAMICS.

STOL

STADE M : NOISE IMPACT OF AIRCRAFT OPERATION. AIR-POLLUTION DUE TO AIRCRAFT OPERATIONS AT AIRPORTS. MASTER PLANS FOR INTERNATIONAL AIRPORTS FOR JAKARTA, INDONESIA AND CUZCO, PERU. FEASIBILITY STUDY FOR INTERNATIONAL AIRPORT FOR ISLAMABAD, PAKISTAN. ENVIRONMENTAL IMPACT OF STOL OPERATIONS IN MONTREAL AND OTTAWA.

STORED-PRODUCTS

ABRAMSON D : MYCOTOXINS IN CEREAL-GRAINS AND OILSEEDS. DETERIORATION OF STORED-PRODUCTS WITH RESPECT TO MYCOTOXIN AND ODOUR DEVELOPMENT.

STORM-MODELS

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

STORM-MODELS

STORMWATER

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

STORMWATER-MANAGEMENT

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

STORMWATER-QUALITY

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

STRATOSPHERE

CARBONNEAU JM : UTILISATIONS NON-AEROSOL DES CHLOROFLUOROCARBONES (CFC) EN RELATION AVEC LA DESTRUCTION DE LA COUCHE D'OZONE (DANS LA STRATOSPHERE). ELABORATION DE MOYENS DE CONTROLE (E.G. CODE DE RECOMMENDATIONS TECHNIQUES, LIGNES DIRECTRICES, REGLEMENTS) SUR LES SUBSTANCES CONTROLEES PAR LA LOI SUR LES CONTAMINANTS DE L'ENVIRONNEMENT, SOIT LES BIPHENYLES-CHLORES (PCB) ET LES CHLOROFLUOROALCANES (CFC).

STRATOSPHERIC

PARASKEVOPOULOS G : KINETICS AND MECHANISMS OF REACTIONS OF TROPOSPERIC AND STRATOSPHERIC INTEREST.

STREAM

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS. FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS. CHANNEL STABILITY. STREAM HYDROLOGY. DRAINAGE-BASIN EXPLORATION.

STREAM-INVERTEBRATE

EIDT D C : IMPACTS OF FOREST INSECTICIDES ON AQUATIC-INVERTEBRATES. PARTITIONING OF INSECTICIDES IN FOREST ENVIRONMENT. EFFECTS ON SOIL RESPIRATION AND AQUATIC HYPHOMYCETES. IMPACTS OF FOREST-HARVESTING ON STREAM-INVERTEBRATE COMMUNITIES.

STREAM-POLLUTION

HADJINICOLAOU DR J : TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.

STREAM-WATER

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

STREAMFLOW

DICKISON RBE : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

YOUNG G J : HYDROLOGY OF MOUNTAIN AREAS WITH PARTICULAR EMPHASIS ON GLACIERS AS SOURCES OF STREAMFLOW AND AS INITIATORS OF CATASTROPHIC FLOODS. MASS-BALANCE, MONITORING.

STREAMS

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

STRESS

BOLDUC RJ : PHYSIOLOGIE ET BIOCHIMIE DU FROID, DE LA SECHERESSE ET DE LA SALINITE CHEZ LES PLANTES CULTIVEES. PHYSIOLOGIE DE LA PRODUCTION DES PLANTES CULTIVEES SOUS CHACUN DE CES STRESS. CULTURES A L'ETUDE: HERBAGES, CEREALES, PLANTES ORNEMENTALES, CULTURES FRUITIERES, ESPECES LIGNEUSES.

DONALDSON E M : SALMONID CULTURE ESPECIALLY CONTROLLED REPRODUCTION, STRESS RESPONSES AND GROWTH-CONTROL.

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY, GRASSLAND ECOLOGY, POLLUTION EFFECTS ON PLANTS, ESPECIALLY AIRBORNE SALTS AND ACIDITY, DROUGHT STRESS EFFECTS, PLANT WATER RELATIONS, CARBON-DIOXIDE EXCHANGE IN PLANTS.

WHYTE JOHN N C : BIOCHEMICAL INVESTIGATIONS ON ENVIRONMENTAL STRESS RELATED TO LIVE HOLDING AND STORAGE CONDITIONS FOR SHELLFISH; COMPOSITIONAL CHANGES ASSOCIATED WITH HABITAT, LIFE-CYCLE AND SEASON TOGETHER WITH DEPURATION STUDIES ON SHELL-FISH; AND DEVELOPMENT OF CHEMICAL-INDICATORS OF QUALITY FOR SHELLFISH, MARINE PLANTS AND FISH.

STURGEON

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER, STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

SUBARCTIC

ADAMS WP : ASPECT OF HYDROLOGY AND BIOLOGY INVOLVING SNOW-AND-ICE. STUDIES ON SNOW-COVER, LAKE-ICE AND GLACIERS. STUDIES IN ARCTIC, SUBARCTIC AND COLD TEMPERATE REGIONS.

ATTON F M : LIMNOLOGY: APPLIED ASPECTS OF POLLUTION AND ENVIRONMENTAL-IMPACT-ASSESSMENT. FISHERIES MANAGEMENT, ESPECIALLY PRODUCTIVITY. INFERTILE SUBARCTIC LAKES OF NORTHWEST-TERRITORIES AND EUTROPHIC LAKES OF SOUTHERN CANADA. CONSULTANT TO GOVERNMENT AGENCIES.

BRUNSKILL G T : ENVIRONMENTAL GEOCHEMISTRY, LIMNOLOGY, CHEMISTRY OF LAKES, RIVERS, AND SEDIMENTS, ENVIRONMENTAL RADIOCHEMISTRY, RADIONUCLIDES IN FRESHWATER AND ESTUARIES AND IN FOOD-CHAINS. ARCTIC AND SUBARCTIC CHEMICAL-ECOLOGY.

FENGE TAE : LAND-USE POLICY AND PLANNING IN ARCTIC AND SUBARCTIC AREA WITH SPECIFIC REFERENCE TO ENVIRONMENTAL CONSERVATION.

HARE F K : ARCTIC AND SUBARCTIC REGIONS, AND ON THE DESERT FRINGE, CHIEFLY IN THE CONTEXT OF CLIMATOLOGY AND CLIMATE ECOSYSTEM RELATIONS.

SENYK JOHN P : ECOSYSTEM IDENTIFICATION AND CHARACTERIZATION THROUGH REMOTE-SENSING AND GROUND-TRUTHING. EXPERTISE IN TERRAIN, SOIL-CLASSIFICATION WITHIN AN ECOLOGICAL FRAMEWORK CONCENTRATING ON TEMPERATE COASTAL AND SUBARCTIC AND ARCTIC ENVIRONMENTS.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

ZOLTAI S C : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

SUBLETHAL

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

FREEMAN HARRY C : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

SUBTROPICAL

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

SUGAR-MAPLE

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE. HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

SULFURES

LACOURSIERE JP : CHEF DE SERVICE SANTE, SECURITE ET ENVIRONNEMENT. ELIMINATION DES SULFURES PAR OXYDATION CATALYTIQUE EN PHASE GAZEUSE COMPTE RENDU AWTR/FACE 1983.

SULPHATE

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS. ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

SULPHUR

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

KROUSE H R : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

SULPHUR-CYCLING

STEWART J W B : SOIL-SCIENTIST SPECIALIZING IN PHOSPHORUS AND SULPHUR-CYCLING IN THE ENVIRONMENT. ANTHROPOGENIC SULPHUR-DEPOSITION IN ACID-RAIN AND TAR INTERRELATION OF CARBON, NITROGEN, SULPHUR AND PHOSPHORUS CYCLES IN THE ENVIRONMENT. CURRENTLY CHAIRMAN OF SCIENTIFIC-ADVISORY-COMMITTEE ON SULPHUR CYCLES SCOPE/UURP.

SULPHUR-DIOXIDE

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

KING M : EXAMINING THE EFFECT OF CIGARETTE-SMOKE EXPOSURE ON VARIOUS ASPECTS OF PULMONARY PATHOPHYSIOLOGY IN DOGS. STUDIES ON THE EFFECT OF SULPHUR-DIOXIDE EXPOSURE IN THE SAME SYSTEM.

MOHTADI MF : CHEMICAL TRANSFORMATIONS AND DISPERSION OF SULPHUR-DIOXIDE IN THE ATMOSPHERE. DISPERSION AND MIGRATION OF SPILLED CRUDE-OIL WITHIN SOIL AND POTENTIAL ENVIRONMENTAL HAZARDS OF OIL-SPILLS ON LAND.

SILVERMAN F : RESPIRATORY-EFFECTS OF AIR-POLLUTION ON ASTHMATICS AND HEALTHY NON-ASTHMATICS: A) CONTROLLED HUMAN-EXPOSURES IN AN ENVIRONMENTAL CHAMBER (OZONE, SULPHUR-DIOXIDE, CIGARETTE-SMOKE), B) DAILY VARIATIONS IN EXPOSURE (INDOOR, OUTDOOR AND PERSONAL MONITORING).

SULPHUR-PRODUCTION

MEISEN A : ENVIRONMENTAL ASPECTS OF NATURAL GAS-PROCESSING, SULPHUR-PRODUCTION AND PETROCHEMICALS MANUFACTURE; CONTROL OF FINE PARTICULATES; DEVELOPMENT OF AMBIENT-AIR MONITORING-NETWORKS.

SUNLIGHT

SEMELUK G P : PHOTODEGRADATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

UNGER I : PHOTODEGREDATION, PHOTOLYSIS AND PHOTOCHEMICAL REACTIONS OF PESTICIDES. THE INTERACTION OF SUNLIGHT WITH PESTICIDES. FLUORESCENCE, PHOSPHORESCENCE AND ABSORPTION CHARACTERISTICS OF PESTICIDES.

SURFACE-WATER

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

LENNOX DH : HYDROGEOLOGY, SURFACE-WATER MODELLING, GLACIOLOGY, SNOW-AND-ICE PHENOMENA.

MACKAY DK : SURFACE-WATER HYDROLOGY, PERMAFROST HYDROLOGY.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

SURFACE-WATERS

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

LOESCHER B R : ANALYTICAL-CHEMISTRY OF METALS, PARTICULARLY ANALYSIS OF ACIDIC-PRECIPITATION, AND SURFACE-WATERS.

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

SURINAM

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

SURVEILLANCE

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

GALLOWAY MM : BIOLOGY AND CONTROL OF BITING-FLIES: BIOLOGY AND BEHAVIOUR OF BLACK-FLIES, ARBOVIRUS SURVEILLANCE. BIOLOGICAL CONTROL OF BITING-FLIES. ENVIRONMENTAL-IMPACT-ASSESSMENT OF BITING-FLIES, CONTROL-AGENTS.

GUTHRIE JE DR : GENERAL AND APPLIED ECOLOGY, WITH SPECIALIST EXPERTISE IN RADIATION ECOLOGY. AREAS OF RESEARCH INCLUDE ENVIRONMENTAL RADIATION MONITORING AND SURVEILLANCE, AND EFFECTS OF CHRONIC EXPOSURE TO RADIATION ON TERRESTRIAL-ECOSYSTEMS.

SURVEILLANCE-SYSTEMS

GIBBS G W : OCCUPATIONAL AND ENVIRONMENTAL-HEALTH, EPIDEMIOLOGY, ASBESTOS AND ITS HEALTH EFFECTS, AIRBORNE-PARTICLES AND HEALTH. HEALTH AND SAFETY IN MINING. HEALTH AND HYGIENE SURVEILLANCE-SYSTEMS. AIR-POLLUTION.

SURVEY

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

SURVEY

KESIK A : GEOMORPHOLOGICAL AND HYDROGRAPHICAL SURVEY AND MAPPING, COMPILATION OF THEMATIC MAPS BASED ON REMOTE-SENSING DATA.

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

MILNE R A : SOILS: STUDIES AND RESEARCH IN DRIFTING, CHEMISTRY, SURVEY, SALINITY AND DRAINAGE.

SURVEY-DESIGN

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

CRANDLEMIRE A L : ENVIRONMENTAL QUALITY-MONITORING, ASSESSMENT AND SURVEY-DESIGN: AIR, WATER, SOIL.

SURVEY-SERVICE

POLLOCK TL : OPERATION OF A MONITORING AND SURVEY-SERVICE ON THE AQUATIC-ENVIRONMENT IN ATLANTIC-CANADA. THIS INCLUDES EFFECTS OF LRTAP AND TOXIC-CHEMICALS, AS DEFINED BY ENVIRONMENT CANADA, ON SURFACE-WATERS, LAKE AND RIVER SEDIMENTS AND BIOTA.

SURVEYS

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

KOHLER CARL : GROUNDFISH BIOLOGY, LIFE HISTORY AND SURVEYS, ICHTHYOPLANKTON SURVEYS IN THE GULF OF ST-LAWRENCE AND ON THE SCOTIAN SHELF.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

MCADIE H G : AIR-MONITORING SURVEYS, ANALYTICAL METHODS FOR AIR-POLLUTION MEASUREMENT, ATMOSPHERIC-TRANSPORT, INTERNATIONAL STANDARDS.

NEWMAN DM : FORESTRY AND ALLIED DISCIPLINES ESPECIALLY: SILVICULTURE INCLUDING REGENERATION SURVEYS, INTENSIVE FOREST-MANAGEMENT, LAND-USE, CAPABILITY RATINGS/PRODUCTIVITY RESEARCH, ENVIRONMENTAL-IMPACT-ASSESSMENTS, POLICY-DEVELOPMENT, PUBLIC-AWARENESS CAMPAIGNS.

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

RYAN J K : ENTOMOLOGY; INSECT SURVEYS.

SCOTT J S : GROUNDFISH AND PELAGIC SURVEYS OF SCOTIAN SHELF AND SOUTHERN GULF OF ST-LAWRENCE, ABUNDANCE, DISTRIBUTION AND ECOLOGY OF GROUNDFISH: PARASITES AND DISEASES AND MARINE FISH: PARASITE-ECOLOGY.

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

SURVIE

BERGERON JM : IMPACT DE LA CHIMIE DES HABITATS SUR LA SANTE, LA SURVIE ET CERTAINS PARAMETRES DE DYNAMIQUE DE POPULATIONS DE MAMMIFERES.

SURVIVAL

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

KWAIN W : THE EFFECTS OF ENVIRONMENTAL FACTORS ON THE SURVIVAL OF FISHES, INCUBATION AND GROWTH, SUCH AS HEAT, ACID AND HEAVY-METALS, ESPECIALLY TO THEIR EARLY LIFE-HISTORY.

SURVIVAL

SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

SWAMPS

THOMAS M L H : ECOLOGY OF ROCKY, TEMPERATE AND SUBTROPICAL SHORES AND INFRALITTORAL ZONES. MORPHOLOGICAL RESPONSES OF MARINE BIOTA TO EXPOSURE. ECOLOGY OF MARITIME ESTUARIES. ECOLOGY OF BERMUDIAN MANGROVE SWAMPS.

SWIMMING

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

SYSTEMATICS

ARGUS G W : SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.

CLAYTON J W : BIOCHEMICAL GENETICS, POPULATION-GENETICS, SYSTEMATICS AND EVOLUTIONARY BIOLOGY OF FISHES AND ARCTIC MARINE MAMMALS.

KENDRICK WB : MYCOLOGY, ESPECIALLY MOLDS (HYPHOMYCETES). SYSTEMATICS, ECOLOGY, DEVELOPMENT.

OLIVER D R : TRAINED IN FRESHWATER BIOLOGY. CURRENT RESEARCH ON CHIRONOMIDAE (A GROUP OF PRIMARILY FRESHWATER INSECTS), MAINLY SYSTEMATICS BUT ALSO ECOLOGY, LIFE-HISTORY AND EVOLUTION.

STEIN JANET R : SYSTEMATICS, ECOLOGY AND PHYTOGEOGRAPHY OF FRESHWATER ALGAE, WITH EMPHASIS ON THE GREEN ALGAE; PARTICULAR INTERESTS INVOLVE ALGAE OF BRITISH-COLUMBIA AND WESTERN NORTH AMERICA.

SYSTEMS

BOWREN K E : TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

BOYLE A R : AUTOMATED CARTOGRAPHY AND GEOGRAPHIC-INFORMATION SYSTEMS. HARDWARE AND SOFTWARE DESIGN AND FIELD APPLICATION OF SYSTEMS, WITH PARTICULAR EXPERTISE IN APPLICATIONS IN FORESTRY-MANAGEMENT.

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

COOTE D R : SOIL-DEGRADATION, DRAINAGE, EROSION, COMPACTION AND THEIR EFFECTS ON THE AGRICULTURAL ENVIRONMENT; EFFECT OF ACID-RAIN ON AGRICULTURAL SOILS AND MANAGEMENT SYSTEMS.

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

DEMAYO A : ENVIRONMENTAL DATA AND MANAGEMENT INFORMATION SYSTEMS, WATER-QUALITY DATA COLLECTION AND INTERPRETATION, ORGANIZATION AND EVALUATION OF PROGRAMS.

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

DRUEHL LOUIS D : KELP: DEVELOPMENT OF MARICULTURAL SYSTEMS; REPRODUCTIVE BIOLOGY; RECOMBINANT DNA STUDIES.

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

HILL SB : AGROECOSYSTEM DESIGN FOR SUSTAINABILITY, NOURISHMENT AND FULFILLMENT. ECOLOGICAL PEST-CONTROL AND SOIL MANAGEMENT. ENVIRONMENTAL-IMPACT ON SOIL SYSTEMS. POLICY, PLANNING AND IMPLEMENTATION OF SUSTAINABLE LIFESTYLES.

ITKIN A : WATER SYSTEMS AND WASTEWATER-SYSTEMS FOR AGRICULTURE INDUSTRY AND MUNICIPALITIES.

SYSTEMS

IVERSON S L : EFFECTS OF IONIZING RADIATION ON ORGANISMS AND ECOLOGICAL SYSTEMS; MOVEMENT OF RADIONUCLIDES IN THE CANADIAN ENVIRONMENT.

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

KEYTE F K : CLIMATOLOGICAL DATA-MANAGEMENT AND RETRIEVAL, INCLUDING COMPUTERIZED DATA-MANAGEMENT SYSTEMS.

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

LOWRY RT : RADAR REMOTE-SENSING; ICE MANAGEMENT SYSTEMS; ATMOSPHERIC MODELLING; GROUNDWATER MODELLING; GEOLOGICAL-TESTING.

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES. INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

MINNS CHARLES K : SYSTEMS ANALYSES OF VARIOUS ASPECTS OF FISHERIES AND ENVIRONMENTAL PROBLEMS, INCLUDING POPULATION-DYNAMICS, EUTROPHICATION AND ACID-RAIN.

MYLES D V : MECHANIZATION OF SILVICULTURAL-PRACTICES. LOGGING DEVELOPMENT. HARVESTING-METHODS. FOREST-TRANSPORTATION SYSTEMS. STANDARDS FOR FOREST-EQUIPMENT AND FOREST-ERGONOMICS.

NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GC-MS.

NEWKIRK RT : WITH VARIOUS COLLEAGUES, WIDE AREA OF RESEARCH IN REMOTE-SENSING, COMPUTER CARTOGRAPHY, REGIONAL-INFORMATION SYSTEMS, SIMULATION-MODELLING AND APPLIED COMPUTER-SCIENCE. SPECIALISTS IN DIGITAL REMOTE-SENSING. EXTENSIVE TECHNICAL EQUIPMENT AVAILABLE.

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

ROGALSKY JOHN : CONSULTANT. ENVIRONMENTAL DATA-MANAGEMENT. ELECTRONIC DATA-PROCESSING SYSTEMS DEVELOPMENT. CLIMATOLOGICAL APPLICATIONS DESIGN. COMPUTER-SYSTEMS IMPLEMENTATION. UNEP DATA-MANAGEMENT EXPERIENCE.

SAMPATH P : GAS-TURBINE COMBUSTION SYSTEMS INCLUDING POLLUTION-CONTROL; ALTERNATE FUELS AND THEIR IMPACT ON COMBUSTION SYSTEM PERFORMANCE AND EXHAUST-EMISSIONS; FLAME INSTABILITY MECHANISMS.

SANDERS CJ : BEHAVIOUR OF MOTHS IN RESPONSE TO SEX-PHEROMONES AND IN DISPERSAL; ALSO ON INSECT POPULATION DYNAMICS. DEVELOPMENT OF INSECT MONITORING SYSTEMS (TRAPPING) AND POPULATION REGULATIONS (DISRUPTION OF MATING) USING SEX-PHEROMONES.

SCOTT D S : CONDUCTS AND PROMOTES SYSTEMS-ANALYSIS, RESEARCH, DEVELOPMENT, DEMONSTRATION AND COMMERCIALIZATION OF HYDROGEN, AND HYDROGEN RELATED ENERGY SYSTEMS.

TEDESCHI E T T : DESIGN AND MANUFACTURE OF OIL-SPILL RESPONSE SYSTEMS. SELECTION OF BOOMS, SKIMMERS, SORBENTS, DISPERSANTS AND DELIVERY SYSTEMS TO MEET SPECIFIC SPILL SCENARIOS OF CONCERN TO CUSTOMER.

THIE J : LANDSCAPE ECOLOGY, ECOLOGICAL RESEARCH, LAND-USE MONITORING, REMOTE-SENSING, LAND-CAPABILITY INVENTORIES, RESOURCE-MANAGEMENT, ENVIRONMENTAL-IMPACT-ASSESSMENT, GEO-INFORMATION SYSTEMS.

SYSTEMS-ANALYSIS

POLLETT DR FC : EXECUTIVE DIRECTOR OF INSTITUTE WHICH UNDERTAKES RESEARCH IN FOREST FIRE AND REMOTE-SENSING, FOREST STATISTICS AND SYSTEMS-ANALYSIS, INTENSIVE FOREST-MANAGEMENT AND PUBLIC-AWARENESS PROGRAMS.

SCOTT D S : CONDUCTS AND PROMOTES SYSTEMS-ANALYSIS, RESEARCH, DEVELOPMENT, DEMONSTRATION AND COMMERCIALIZATION OF HYDROGEN, AND HYDROGEN RELATED ENERGY SYSTEMS.

SYSTEMS-MANAGEMENT

SZABO BELA S : MECHANICAL AND ELECTRICAL-ENGINEERING RELATED TO BUILDING-DESIGN COVERING CONCEPT, DESIGN AND DEVELOPMENT, CONSTRUCTION ADMINISTRATION, SYSTEMS-MANAGEMENT AND OPERATIONS. IN DEPTH CAPABILITIES IN FIELDS OF ENERGY STUDIES, GENERATION, TRANSMISSION, DISTRIBUTION AND UTILIZATION; POLLUTION-CONTROL, ENVIRONMENTAL STUDIES, BUILDING-AUTOMATION DESIGNS.

TAILINGS

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS, PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE; MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

RETALLACK JOHN T : AQUATIC ECOLOGY; TAILINGS PONDS; TAR-SANDS.

RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

SILVER M : BIOTECHNOLOGY IN RELATION TO ENVIRONMENTAL ASPECTS OF THE MINING INDUSTRIES. TAILINGS, RADIONUCLIDES, LYSIMETERS.

WYSLOUZIL D M : STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.

TAINTING

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

TANNERIES

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

TAR-SANDS

LANDHEER F : CHEMICAL AND PETROLEUM REFINING, TECHNOLOGY AND ENGINEERING; EMISSIONS AND ENERGY; TAR-SANDS TECHNOLOGY; EMISSION ABATEMENT. SULPHUR PLANT TECHNOLOGY.

RETALLACK JOHN T : AQUATIC ECOLOGY; TAILINGS PONDS; TAR-SANDS.

TASTE

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

TAXONOMIC

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

TAXONOMY

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES. OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).
DERMOTT R : INVERTEBRATE-ECOLOGY, TAXONOMY OF GREAT-LAKES BOTTOM FAUNA.
DORE DR W G : TAXONOMY AND MORPHOLOGY OF GRAMINEAE. PHYTOGEOGRAPHY IN EASTERN NORTH-AMERICA. ABORIGINAL USES OF PLANTS. HISTORICAL CANADIAN BOTANY. FRESHWATER AQUATICS.
DUTHIE H C : ECOLOGY AND TAXONOMY OF PHYTOPLANKTON AND PERIPHYTON. RESERVOIR BIOLOGY AND MODELLING; ALGAL-SYSTEMATICS; PALEOLIMNOLOGY AND DIATOMS.
HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).
HOLDER FRANKLIN M A : MATHEMATICAL METHODS IN THE STUDY OF BACTERIAL POPULATION-DYNAMICS. AQUATIC BACTERIA. NUMERICAL TAXONOMY. MULTIVARIATE STATISTICS. BACTERIAL RESPONSES TO TOXIC-CHEMICALS; LEAD, CADMIUM, PCBS AND OCTACHLORO-STYRENE.
LESLIE J K : LARVAL FISH-ECOLOGY; TAXONOMY, DEVELOPMENT OF SAMPLING TECHNIQUES.
QUEDNAU F W : BIOLOGICAL-CONTROL OF FOREST-INSECT PESTS. IMPORTATION OF BENEFICIAL INSECTS. LABORATORY REARING LIBERATION AND IMPLANTATION OF BENEFICIAL INSECTS. STUDIES ON BEHAVIOUR AND AUTECOLOGY OF BENEFICIAL INSECTS. DIPTERA AND HYMENOPTERA STUDIES ON PARASITISM. TAXONOMY OF APHIDIDAE (HOMOPTERA).
WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.
YOSHIMOTO CARL M : INSECT TAXONOMY IN PARASITIC HYMENOPTERA (CHALCIDOIDEA, CYNIPOIDEA).

TEACHING

BOSTON N E J : PHYSICAL OCEANOGRAPHY; AIR/SEA-INTERACTION AND TURBULENCE; MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES; DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.
CZORNYJ NESTOR : PLANNING, COORDINATING AND DIRECTING, PROVIDING OF TECHNICAL EXPERTISE IN BIOLOGICAL OXIDATION, AIR AND WATER-EMISSIONS AND OIL-SPILL PROBLEMS INCLUDING ORGANIZATION AND TEACHING AT AN OIL-SPILL SCHOOL.
LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.
PARSONS T R : MARINE-POLLUTION; FISHERIES; EXPERIMENTAL ECOSYSTEMS; RESEARCH; NUTRIENT-CYCLING; UNIVERSITY TEACHING.
ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.
SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

TECHNICAL-LITERATURE

CAMPBELL EVANGELINE : PRODUCTION AND MANAGEMENT OF BIBLIOGRAPHIC AND DATA DESCRIPTIVE DATABASES. ANALYZING, CODING AND ABSTRACTING SCIENTIFIC AND TECHNICAL-LITERATURE FOR SCIENTIFIC AND PUBLIC NATIONAL AND INTERNATIONAL COMPUTER SUPPORTED SERVICE.

TECHNOLOGY-TRANSFER

MATHUR V N P : EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

TECHNOLOGY-TRANSFER

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

WINTER PETER : BIOMASS ENERGY DATABASES. FUTURE TRENDS OF BIOMASS ENERGY. IMPACT OF TECHNOLOGY-TRANSFER.

TEETH

KRAINTZ L : LEAD IN BONE AND TEETH; FLUORIDE METABOLISM IN RATS; RADIOISOTOPE MONITORING.

TELEDETECTION

CYR ANDRE : CAROUGE A EPAULETTES, ECO-ETHOLOGIE, COMPORTEMENT, RECHERCHES EN VUE D'UN CONTROLE INTEGRE DES POPULATIONS D'OISEAUX NUISIBLES AUX CULTURES PAR ETUDE DE LA STERILISATION, DES RYTHMES CIRCADIENS, DE LA TELEDETECTION APPLIQUEE AUX ZONES DE DOMMAGES. ORNITHOLOGIE EN GENERAL; LOISIR ORNITHOLOGIQUE.

JOBIN LUC J : PROTECTION DES FORESTIER. ENTOMOLOGIE FORESTIERE. RECHERCHE SUR LA BIOLOGIE ECOLOGIE ET LA REPRESSION DES INSECTES NUISIBLES AUX ESSENCES FEUILLUES ET AUX ESSENCES CONIFERIENNES. TRAVAUX DE TELEDETECTION POUR MESURER L'IMPACT.

TELEOSTS

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

TELEREFERENCE

NOBREGA G : DOCUMENTATION, RENSEIGNEMENT, TELEREFERENCE EN ENVIRONNEMENT. PRODUCTEUR DE LA BANQUE-DOCUMENTAIRE-AUTOMATISEE. ENVIROLOG SUR L'INVENTAIRE BIOPHYSIQUE DU QUEBEC. PROCURE BIBLIOGRAPHIES ET RENSEIGNEMENTS SUR LES PLUIES-ACIDES. EDITE LE BULLETIN D'INFORMATION "PROPOS ACIDES" RESPONSABLE CENTRE DE DOCUMENTATION.

TEMPERATE-REGIONS

HAVAS MAGDA : EFFECTS OF LOW PH AND METALS (A1, 2N, NI, FE, CA, ETC) ON SURVIVAL, REPRODUCTION, SODIUM-REGULATION, CHEMICAL-COMPOSITION OF AQUATIC-INVERTEBRATES FROM BOTH ARCTIC (SMOKING HILLS, NWT) AND TEMPERATE-REGIONS.

TEMPERATURE

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

HOUSTON A H : PHYSIOLOGICAL ECOLOGY OF FISHES: RESPIRATORY ADAPTATIONS TO TEMPERATURE AND OXYGEN AVAILABILITY.

INNISS W E : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

MUNZ R J : ELECTROSTATIC PRECIPITATION. HIGH TEMPERATURE GAS-SOLID SEPARATION.

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

TEMPERATURE

TODD E C D : FOOD-BORNE DISEASE REPORTING AND INVESTIGATION, SIGNIFICANCE OF TEMPERATURE FOR MICROBIAL GROWTH, CONTAMINATION OF BARBECUED CHICKENS, CANNED FOOD METHODOLOGY, PUBLIC-HEALTH ASPECTS OF PROCESSING OF POULTRY, CHEESE CONTAMINATION WITH STAPHYLOCOCCUS AUREUS.

TOWNSLEY P M : INDUSTRIAL FERMENTATIONS. BIOTECHNOLOGY. WASTE: HIGH TEMPERATURE PROCESSING. MUSHROOMS.

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING-MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS. MS/MS AND HPLC.

TEMPERATURE/PRESSURE

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

TERATOGENIC

KHERA K S : ASSESSMENT OF TERATOGENIC AND REPRODUCTIVE RISKS OF ENVIRONMENTAL AND FOOD-CHEMICALS FROM ANIMAL DATA.

TERMITES

KEVAN D K : BIOSYSTEMATICS AND ECOLOGY OF ORTHOPTEROID INSECTS (LOCUSTS. GRASSHOPPERS. CRICKETS. COCKROACHES. TERMITES. ETC.) SOIL-FAUNA STUDIES (ECOLOGY OF MICROARTHROPODS) RELEVANCE OF ENTOMOLOGICAL FOLKLORE AND CUSTOMS TO SCIENTIFIC ENTOMOLOGY.

TERRAIN-EVALUATION

GARTNER LEE ASSOCIATES LTD : CONSULTANTS: HYDROGEOLOGY, ENVIRONMENTAL, GEOLOGY, TERRAIN-EVALUATION, BIOLOGY, INVENTORIES, ASSESSMENTS, AGGREGATES, ENGINEERING-GEOLOGY, GEOTECHNICAL STUDIES.

TERRESTRIAL

BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER. NICKEL. URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID. METAL-STRESSED LAND.

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES, WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

DEFREITAS A S W : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR-SPECIES.

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

GRIFFIN H D : AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS, PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.

HARPER D S : EFFECTS OF AIR-POLLUTANTS, SPECIFICALLY GASEOUS AIR-POLLUTANTS, ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.

KERR DAVID C : BIOENERGETICS, SYSTEMS ECOLOGY, SYNECOLOGY, AUTOECOLOGY, LIMNOLOGY AND ENVIRONMENTAL-IMPACT ANALYSIS OF AQUATIC AND TERRESTRIAL ECOSYSTEMS.

KINGSBURY PETER D : ENVIRONMENTAL-IMPACT OF FORESTRY PESTICIDES IN TERMS OF EFFECTS ON FISH. AQUATIC INVERTEBRATE, SONGBIRD AND TERRESTRIAL INVERTEBRATE POPULATIONS AND THEIR ECOLOGICAL RELATIONSHIPS.

STILES SA : PESTICIDE-RESIDUE ANALYSIS BY FLAME SPECTROSCOPY, ALONG WITH OIL-SPILLAGE DETERMINATIONS. CURRENT STUDIES ARE BEING APPLIED TO MARINE AND TERRESTRIAL ENVIRONMENTS.

TERRESTRIAL-ECOLOGY

EEDY WILSON : DESIGN, MANAGEMENT AND COSTING OF MULTIDISCIPLINARY ENVIRONMENTAL-IMPACT STUDIES, MITIGATION OR CONTINGENCY-PLANNING TERRESTRIAL-ECOLOGY SURVEYS, HAZARDOUS-WASTE MANAGEMENT, RESOURCE ECONOMICS, END-USE PLANNING, AND PUBLIC-PARTICIPATION PROGRAMS.

TERRESTRIAL-ECOLOGY

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SMYTHE L A MS : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

TERRESTRIAL-SYSTEMS

KNOWLES R : MICROBIOLOGICAL NITROGEN TRANSFORMATIONS IN THE ENVIRONMENT, INCLUDING N2-FIXATION, NITRIFICATION, DENITRIFICATION OF N OXIDES. AQUATIC AND TERRESTRIAL-SYSTEMS.

SWANSON S M : RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES, AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

WESTLAKE D W S : OIL MICROBIOLOGY: ENVIRONMENTAL-IMPACT; CLEAN-UP; MICROBIAL UTILIZATION OF HYDROCARBONS: ENVIRONMENTAL MICROBIOLOGY. REMOVAL OF POLLUTANTS FROM AQUATIC AND TERRESTRIAL-SYSTEMS; ANTIBIOTIC BIOSYNTHESIS.

TESTING

ABBOTT F S : TESTING OIL-SPILL DISPERSANTS; USE OF DISPERSANTS; BIODEGRADATION.

BOWREN K E : TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

FORINTEK CANADA CORP : RESEARCH, DEVELOPMENT AND TESTING SERVICES FOR CANADA'S SOLID WOOD-PRODUCTS INDUSTRIES.

FORRESTAL BJ : REDUCTION, REUSE, RECYCLE, RECOVERY OF INDUSTRIAL-WASTES. REPORTS ON FOOD-PROCESSING AND METAL-FINISHING INDUSTRIES. REVIEW OF U.S. EPA HAZARDOUS-WASTE TESTING CRITERIA. LANDFILL-GAS GENERATION.

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

SMITH DS : SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.

TONKS D B : TRACE-METAL ANALYSIS. PROFICIENCY TESTING (INTER-LABORATORY COMPARISONS). QUALITY-CONTROL OF ANALYTICAL PROCEDURES. INTERNATIONAL STANDARDIZATION OF ANALYTICAL METHODS FOR TRACE-METAL ANALYSES IN BIOLOGICAL SPECIMENS.

TESTS

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

FREEMAN HARRY C : QUANTIFICATION OF POLLUTANTS AND CONTAMINANTS IN FISH AND SUBLETHAL EFFECTS (BIOCHEMICAL TESTS).

TEXTILE

SLATER K : TEXTILE SCIENCE; HUMAN COMFORT. PUBLICATION LIST OF SOME 80 SCIENTIFIC PAPERS, BOOKS, ETC. CURRENTLY ON SABBATICAL LEAVE IN CAMBRIDGE, ENGLAND.

TEXTILES

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

THERMAL

BOYCE F M : CIRCULATION AND THERMAL STRUCTURE OF LARGE LAKES. INSTRUMENTATION, FIELD MEASUREMENTS, DATA-PROCESSING AND ANALYSIS OF THE ABOVE.

BROTHERS J ALFRED : DESULPHURIZATION OF METALLURGICAL AND THERMAL COALS; PYROLYSIS OF COAL-LIME MIXTURES PRODUCING LOW S CHAR FROM S COAL, ALSO LOW S FORMED COKE FROM SUCH CHAR; KRAFT AND HARDBOARD EFFLUENTS DECOLOURIZED.

THERMAL-ELECTRICAL

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

THERMAL-ENERGY

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

THERMAL-ENVIRONMENT

FAZIO P : BUILDING SCIENCE. BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

THERMOCHEMICAL-PROCESSES

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

THIRD-WORLD

BUTLER G C : ECOTOXICOLOGY; RADIATION-PROTECTION; THIRD-WORLD SCIENCE.

DURIE ROBERT W : AS DIRECTOR, ADVANCED CONCEPTS CENTER, ENVIRONMENT CANADA, DIRECTED STUDIES ON LONG TERM PLANNING, ENVIRONMENT AND DEVELOPMENT (ECO-DEVELOPMENT) IN THIRD-WORLD ASSISTANCE, CONSERVER SOCIETY CONCEPT, RENEWABLE-ENERGY SYSTEMS. NOW ASSISTANT DEPUTY MINISTER RESPONSIBLE FOR PETROLEUM ADMINISTRATION, INCLUDING WESTERN CANADA OFFSHORE PETROLEUM ENVIRONMENTAL REVIEW.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

THYROID-GLAND

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

TICKS

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL); WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.

TIDAL-POWER

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER, STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

TIDE

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

TIMBER

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING: TIMBER YIELD ANALYSIS BY COMPUTER.

TIMBER-HARVESTING

SILVERSIDES CR : TIMBER-HARVESTING (ENVIRONMENTAL-IMPACT) SHORT ROTATION FORESTRY-ENERGY PLANTATIONS. ENERGY FROM BIOMASS AND OTHER RENEWABLES.

TIME-MODELS

CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE. MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.

TIN

CARTY A J : HEAVY-METAL POLLUTION IN THE ENVIRONMENT. BINDING OF HEAVY-METALS BY LIGANDS OF BIOLOGICAL SIGNIFICANCE. CHELATION-THERAPY FOR HEAVY-METALS. METHYLATION OF LEAD AND TIN IN THE ENVIRONMENT. SELENIUM PROTECTION AGAINST HEAVY-METALS.

TISSUE

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL. INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS: TISSUE TRACE-METALS. MONITORING AND REGULATION COMPLIANCE.

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

TISSUE-CULTURE

BONGA JAN M : CONIFER TISSUE-CULTURE. CONIFER CYTOLOGY.

TISSUES

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

SHAH B G : MACRO MINERALS AND MICRO MINERALS. ANALYSIS OF IN FOODS AND TISSUES. BIOAVAILABILITY, METABOLISM, INTERACTIONS, ROLE IN CHRONIC HUMAN DISEASES.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL, AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

TISSUS

ARNAC MICHEL-JEAN : CONTAMINATION D'ORGANISMES MARINS PAR LES METAUX (CD, CA, PB, ZN). DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES-SOLUBLES.

TOBACCO

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

GAYED S K : CHEMICAL-CONTROL OF OZONE-DAMAGE ON TOBACCO AND PEANUTS AS WELL AS OTHER POLLUTANTS.

ROSA N : MONITORING OF RAIN PH FOR THE TOBACCO REGION OF SOUTHWESTERN ONTARIO TO ESTABLISH A REFERENCE POINT FOR CONTINUED MEASURE OF CHANGES AND EFFECTS UPON CROP-PRODUCTION.

TOOTH

STEVENSON L S : MANGANESE NODULES ON OCEAN-FLOOR; FLUORIDE CONTENT IN TOOTH MINERALS.

TOPOGRAPHIC

DAUGHERTY DA : INFLUENCE OF FOREST-COVER AND MESO-SCALE TOPOGRAPHIC CHARACTERISTICS ON SNOW COVER.

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

TOURBES

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

TOURBIERES

BRIERE M FRANCOIS : EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.

LABONTE ROGER : ASSAINISSEMENT DES EAUX-USEES AU MOYEN DE TECHNOLOGIES DOUCES TELLES QUE LE LAGUNAGE ET LES TOURBIERES CONCEPTION ASSISTEE A L'ORDINATEUR DES STATIONS D'EPURATION DES EAUX-USEES. FORMATION PROFESSIONNELLE DANS LE DOMAINE DU GENIE DE L'ENVIRONNEMENT.

TOXIC

CALLIN EA : ENVIRONMENTAL CHEMICAL LABORATORY-ANALYSIS. SPECIALIZE IN PRIORITY AND TOXIC ORGANICS, PESTICIDES, PCBS, PAHS, ETC. USE COMPUTERIZED GAS-CHROMATOGRAPHY OR MASS-SPECTROMETRY TO ANALYZE GROUNDWATER, SURFACE-WATER, SOILS, SEDIMENTS, BIOLOGICAL MATERIAL, SOLID-WASTE, ETC.

FRANK R : MONITORING AND RESIDUE DISAPPEARANCE OF PESTICIDES FROM FOOD AND THE ENVIRONMENT. BACKGROUND CONTENTS OF TOXIC METALS AND EFFECTS OF APPLYING SEWAGE-SLUDGE TO FOODLANDS.

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT, AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

JONES P H : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

TOXIC

MORTIMER D C : UPTAKE MECHANISMS FOR HEAVY-METAL ACCUMULATION BY AQUATIC MACROPHYTES. MECHANISM OF TOXIC RESPONSE OF HEAVY-METALS AT THE CELLULAR LEVEL.

O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

RODGERS PG : ASSESSMENT OF ENVIRONMENTAL CONCERNS MAINLY IN THE AREA OF INDUSTRIAL AND TOXIC CHEMICAL PROBLEMS IN CANADA.

SINGHAL R L : STUDY OF THE TOXIC EFFECTS OF HEAVY-METALS AND CHLORINATED-HYDROCARBON INSECTICIDES ON CELLULAR METABOLISM. IN PARTICULAR, THE SUBLETHAL EFFECTS OF LEAD, CADMIUM, A-CHLORDANE AND DDT ARE BEING INVESTIGATED ON CRITICAL RECEPTORS.

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

TOXIC-GASES

MEHKERI K A : MEASUREMENT OF TOXIC-ELEMENTS AND TOXIC-GASES FROM VARIOUS CONSUMER PRODUCTS AND AS THE PRODUCTS OF COMBUSTION IN FIELD OF FIRE AND FLAMMABILITY.

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

TOXIC-MATERIALS

KUDO A : DISTRIBUTION, TRANSPORT, TRANSFER AND TRANSFORMATION OF TOXIC-MATERIALS (INCLUDING RADIOACTIVE MATERIALS) IN THE AQUATIC ENVIRONMENT, ESPECIALLY PATHWAYS OF HEAVY-METALS.

TOXIC-SUBSTANCES

DICKSON LIU : BIODEGRADATION AND TOXICITY-ASSESSMENT OF TOXIC-SUBSTANCES; INDUSTRIAL WASTEWATER-TREATMENT, BIOTECHNOLOGY DEVELOPMENT IN ENERGY AND RESOURCES.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

TOXIC-WASTE

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

VIGOOD T E : LAWYER WITH A CANADIAN PUBLIC INTEREST ENVIRONMENTAL LAW GROUP. PROVIDE ADVICE AND REPRESENTATION TO PEOPLE WITH ENVIRONMENTAL CONCERNS WHO CANNOT OTHERWISE AFFORD A PRIVATE LAWYER. CELA FOCUSES PRIMARILY ON TOXICS LAW AND POLICY, EXPERTISE IN HAZARDOUS AND TOXIC-WASTE MATTERS AND PESTICIDES. OVER 100 BRIEFS AND SUBMISSIONS ON ENVIRONMENTAL TOPICS.

TOXICANTS

INNISS W E : MICROBIAL PHYSIOLOGY AND ENVIRONMENTAL MICROBIOLOGY PSYCHROTROPHIC AND PSYCHROPHILIC MICROORGANISMS. EFFECTS OF TEMPERATURE ON MICROORGANISMS. MICROBIAL-DEGRADATION. EFFECT OF TOXICANTS ON MICROORGANISMS. SEDIMENT-MICROBIOLOGY.

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

TOXICANTS

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

SPRAGUE J B : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC-ORGANISMS.

STAVRIC B : MUTAGENS (TOXICANTS) IN FOODS: NATURALLY OCCURING OR INTRODUCED THROUGH MAN-MADE AGRICULTURAL-CHEMICALS. BIO-ANALYTICAL PROCEDURES IN INTERPHASING STANDARD CHEMICO-ANALYTICAL METHODS WITH BIOASSAYS FOR DETECTING TOXIC (MUTAGENIC) COMPONENTS OR METABOLICS IN COMPLEX MATRICES (FOODS).

TOXICATION

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

TOXICITE

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

PANISSET J C : TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES, MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

VAN COILLIE DR R : CHEMINEMENT ET TOXICITE SOUS-LETALE DES METAUX-LOURDS ET DES PESTICIDES DANS L'ENVIRONNEMENT. REPERCUSSIONS DES PLUIES-ACIDES SUR LA FAUNE AQUATIQUE ECOTOXICOLOGIE DES DEPOTOIRS.

TOXICITY

ANDERSON P D : PRIMARY FOCUS OF RESEARCH IS THE DEVELOPMENT OF MODELS FOR THE ASSESSMENT OF THE TOXICITY OF MIXTURES OF ENVIRONMENTAL POLLUTANTS TO AQUATIC-ORGANISMS. OTHER STUDIES INVESTIGATE THE ROLE OF BIOLOGICAL FACTORS (E.G. SIZE, SPECIATION) ON TOXICITY TOLERANCE; TOXICO-KINETICS AND MECHANISMS.

BATES T E : PLANT-NUTRIENT RESPONSE AND TOXICITY. HEAVY-METAL AVAILABILITY TO PLANTS, SOIL-FERTILITY.

BETTS J L : PULP-AND-PAPER EFFLUENT TOXICITY. PULP-AND-PAPER POLLUTION-ABATEMENT TECHNOLOGY.

CHAU Y K : INTERACTION OF METALS AND ORGANICS IN AQUATIC-SYSTEMS; ORGANO-METALLICS IN THE ENVIRONMENT, THEIR BIOTIC AND ABIOTIC FORMATIONS, TOXICITY, CHEMICAL SPECIATION, SPECIATION ANALYSIS OF ORGANOMETALS.

CHERIAN DR M G : ENVIRONMENTAL AND OCCUPATIONAL-HEALTH. METAL-TOXICOLOGY. TOXICITY OF CADMIUM, MERCURY AND LEAD. CHELATION-THERAPY FOR METAL-TOXICITY. METAL-PROTEIN BINDING AND KIDNEY-TOXICITY.

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

DOLINSKI G : STORED GRAIN INSECTS, TOXICITY OF INSECTICIDES TO HONEY-BEES, LEAF CUTTER BEE-MANAGEMENT, FIELD-CROP INSECT-CONTROL. ENTOMOLOGY AND PEST-MANAGEMENT EXTENSION.

HADJINICOLAOU DR J : TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.

HUTCHINSON T C : ACID-RAIN STUDIES OF TERRESTRIAL-ECOSYSTEMS, HEAVY-METAL TOXICITY TO PLANTS AND ALGAE. ECOTOXICOLOGY OF NICKEL, COPPER, LEAD. EFFECTS OF SMELTERS. OIL-SPILL AND HYDROCARBON TOXICITY RESEARCH. ARCTIC AND BOREAL AREAS.

JAWORSKI JOHN F : TOXIC EFFECTS OF HEAVY-METALS IN THE ENVIRONMENT, AND FACTORS INFLUENCING TOXICITY. EFFECTS OF LEAD AND ARSENIC, CADMIUM AND ASBESTOS.

KRAMER J R : GEOCHEMISTRY RESEARCH INCLUDING IMPACT OF ACIDIC-PRECIPITATION; METAL-SPECIATION AND BIOLOGICAL TOXICITY; AQUEOUS CHEMISTRY OF SHIELD LAKES.

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

TOXICITY

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

LEE DR : GROUNDWATER CONTAMINANT-FLUX TO SURFACE-WATERS, IDENTIFICATION OF GROUNDWATER DISCHARGE ZONES, STUDIES OF RADIONUCLIDE MIGRATION IN POROUS MEDIA TOXICITY OF METALS AND SYNTHETIC ORGANICS TO AQUATIC LIFE.

MAYFIELD C : POLLUTION AND TOXICANTS IN SOIL AND FRESHWATER SYSTEMS. BIODEGRADATION, CYCLING AND TOXICITY STUDIES. TOXICANTS STUDIED: METALS, ORGANO-METALLICS, ORGANIC-SOLVENTS, CHLORINATED-PHENOLS, BENZENES AND OTHER AROMATICS AND ALIPHATIC-COMPOUNDS. LANDFILL-SITE LEACHATE STUDIES.

MELLORS A : BIOCHEMICAL TOXICOLOGY; PHYSICAL TOXICITY; MOLAR VOLUME CORRELATIONS; HYDROCARBON AND HALOGENATED-HYDROCARBON TOXICITY; INHIBITION OF MEMBRANE-BOUND ENZYMES; LYMPHOCYTE TOXICOLOGY; TUMOUR PROMOTION AND CARCINOGENESIS; POLYCHLORINATED-BIPHENYLS; INHIBITION OF CELL ACTIVATION.

MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

OZBURN G W : MULTIPLE ORGANIC TOXICITY, BIOACCUMULATION, BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

READ D C : TOXICITY AND PERSISTENCE OF PESTICIDES IN SOIL AND PLANT-TISSUE.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL-EXPOSURE. TRANSPORT FORMS OF COPPER IN HUMAN SERUM.

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

SUNDARAM K M S : CHEMODYNAMICS OF POLLUTANTS AND THEIR FATE IN THE ENVIRONMENT INCLUDING THEIR TOXICITY TO VARIOUS ORGANISMS.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

TOXICITY-SCREENING

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

TOXICOKINETICS

LAW DR FCP : TOXICOKINETICS OF ENVIRONMENTAL POLLUTANTS IN FISH AND MAMMALS: INHALATION TOXICOLOGY; TOXICATION AND DETOXICATION MECHANISM; AND DETECTION AND QUANTITATION OF TOXICANTS.

TOXICOLOGICAL

GRANT D L : EXPERTISE IN THE TOXICOLOGICAL EVALUATION OF PCBS AND DIOXINS.

KHALIL MICHEL : ORGANIC GEOCHEMISTRY OF SURFACE SEDIMENTS. ESTUARINE-POLLUTION STUDIES INCLUDING THE CONTAMINATION OF MARINE ORGANISMS BY ORGANOHALOGENATED-COMPOUNDS AND POLYAROMATIC-HYDROCARBONS. TOXICOLOGICAL STUDIES OF INDUSTRIAL-POLLUTANTS AND THEIR INTRODUCTION IN THE MARINE FOOD-CHAIN.

KOMSTA-SZUMSKA ELIZABETH : TOXICOLOGICAL STUDIES WITH BOTH ENVIRONMENTAL (ANIMALS STUDIES) AND INDUSTRIAL, OCCUPATIONAL-TOXICOLOGY (HUMAN-EXPOSURE). MAIN TOPICS INCLUDE INTERACTIONS BETWEEN METALS, BOTH ORGANIC AND INORGANIC FORMS, WHICH ARE FOUND IN THE ENVIRONMENT WITHIN THE FRAMEWORK OF PHYSIOLOGY AND BIOCHEMISTRY.

MASTROMATTEO DR E : TOXICOLOGICAL AND EPIDEMIOLOGICAL RESEARCH INTO A VARIETY OF OCCUPATIONAL-HEALTH PROBLEMS.

TOXICOLOGICAL-EVALUATION

PLATONOW N : TOXICOLOGICAL-EVALUATION OF FOOD-ADDITIVES, PESTICIDES AND CONTAMINANTS. TOXICOLOGIST IN AREA OF FOOD-PRODUCING DOMESTIC ANIMALS.

TOXICOLOGIE-INDUSTRIELLE

BRODEUR JULES : TOXICOLOGIE-INDUSTRIELLE ET ENVIRONNEMENTALE: TOXICITE ET METABOLISME DES SOLVANTS AROMATIQUES ET ALIPHATIQUES HALOGENES; TOXICITE ET METABOLISME DES METAUX-TOXIQUES (PLOMB, CADMIUM, MERCURE).

PANISSET J C : TOXICOLOGIE-INDUSTRIELLE ET AGRICOLE TOXICITE DES PESTICIDES. MEDICAMENTS VETERINAIRES ANTIBIOTIQUES ET TRANSFERT DE L'ANTIBIO RESISTANCE DE L'ANIMAL A L'HOMME. BIOSECURITE ET BIOTECHNOLOGIES NOUVELLES.

TOXICOLOGIQUE

COUTURE PIERRE : UTILISATION D'INDICATEURS BIOLOGIQUES, EN PARTICULIER LE PHYTOPLANCTON (ALGUES UNICELLULAIREE) POUR DETERMINER LA QUALITE DE L'EAU: ASPECT EUTROPHISATION, ASPECTS ECOLOGIQUE ET TOXICOLOGIQUE.

TOXICOLOGY

DEFREITAS A S W : ENVIRONMENTAL TOXICOLOGY AND DOSIMETRY: BIOACCUMULATION OF HAZARDOUS-CHEMICALS BY TERRESTRIAL, AQUATIC AND AVIAN SPECIES: TRANSFER PROCESSES IN THE ENVIRONMENT. USE OF INDICATOR-SPECIES.

ELLENBERGER H : ANALYSIS AND INTERPRETATION OF RESULTS ASSOCIATED WITH CLINICAL TOXICOLOGY, OCCUPATIONAL-HEALTH, STREET DRUG ANALYSES.

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

HAYA K : AQUATIC TOXICOLOGY: BIOCHEMICAL-INDICATORS OF SUBLETHAL EFFECTS CAUSED BY POLLUTANTS IN AQUATIC-ORGANISMS, PARTICULARLY PARAMETERS OF INTERMEDIARY ENERGY-METABOLISM.

KICENIUK J W : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

LAHAM S : INHALATION TOXICOLOGY (INDUSTRIAL/OCCUPATIONAL/ ENVIRONMENTAL). METABOLISM OF TOXIC AND CARCINOGENIC SUBSTANCES. PRODUCT-SAFETY TOXICOLOGY. INDOOR AIR-QUALITY TOXICOLOGY. CHEMICAL CARCINOGENESIS. NEUROTOXICOLOGY.

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O'BRIEN P J : THE MECHANISMS (BIOCHEMICAL) FOR THE SYNERGISM BETWEEN ASBESTOS AND CIGARETTE-SMOKING. THE INVOLVEMENT OF PEROXIDES OR OXIDIZED FATS IN TOXICOLOGY OR CARCINOGENESIS. THE METABOLIC ACTIVATION OF CARCINOGENIC ARYLAMINES OR POLYCYCLIC-AROMATIC-HYDROCARBONS. TOXIC EFFECTS OF PETROLEUM-HYDROCARBONS IN THE COLD OCEAN.

PREE D J : INSECTICIDE TOXICOLOGY. PEST-MANAGEMENT. RESISTANCE STUDIES WITH TREE FRUIT INSECTS.

RAO A V : NUTRITIONAL TOXICOLOGY, ENVIRONMENTAL CONTAMINATION OF FOOD. EXPERTISE IN THE AREA OF FOOD SCIENCE, NUTRITION AND TOXICOLOGY.

SAN RHC : ENVIRONMENTAL TOXICOLOGY. GENETIC TOXICOLOGY. GENOTOXICITY TESTING OF INDUSTRIAL-EFFLUENTS AND PROCESS STREAMS. DEVELOPMENT AND VALIDATION OF PROCEDURES FOR MONITORING HUMAN-EXPOSURE TO ENVIRONMENTAL CARCINOGENS.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

TOMKINS DJ : OCCUPATIONAL AND ENVIRONMENTAL GENETIC TOXICOLOGY: DEVELOPMENT OF SEVERAL GENETIC MEASURES INCLUDING CYTOGENETIC AND SINGLE GENE MUTATION; ASSESSMENT OF MEASURES FOR POPULATION-MONITORING.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

TOXICOLOGY

WHITE ALAN W : PHYSIOLOGY, ECOLOGY, TOXICOLOGY OF TOXIC RED-TIDE DINOFLAGELLATES. PARALYTIC SHELLFISH-POISONING. THE EFFECTS OF TOXIC RED-TIDES ON SHELLFISH AND FINFISH RESOURCES. THE FATE AND CONSEQUENCES OF DINOFLAGELLATE-TOXINS IN THE FOOD-WEB.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

ZITKO V : DETECTION, IDENTIFICATION, MEASUREMENT, EFFECTS OF CHEMICALS ON AQUATIC-BIOTA. MASS-SPECTROMETRY, ENVIRONMENTAL MODELLING, TOXICOLOGY, QSAR, ORGANIC-CHEMICALS.

TOXIGENESIS

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS. .

TOXIQUES

DRAPEAU ARNOLD J : RECHERCHE DE NOUVEAUX INDICATEURS DE POLLUTION; RECHERCHE SUR LES PROFILS METALLIQUES DES ORGANISMES; DEVELOPPEMENT DE NOUVELLES TECHNIQUES D'IDENTIFICATION DES MICROORGANISMES; ELEMENTS TOXIQUES.

TRACE

CHIBA M DR : PESTICIDE-RESIDUE ANALYSIS: METHOD DEVELOPMENT TO TRACE FATE OF PESTICIDES.

FOSTER M G : INVESTIGATION OF ENVIRONMENTAL SAMPLES TO CHARACTERIZE TRACE LEVEL ORGANIC CONTAMINANTS. THIS INVOLVES ANALYSIS PRIMARILY BY GC/MS AND OTHER MASS-SPECTROMETRIC TECHNIQUES. COMPARISON STUDIES USING IC/MS, DCI AND FD HAVE BEEN CARRIED OUT ON SOME ENVIRONMENTAL SAMPLES.

GUEVREMONT R : REFERENCE MATERIALS PREPARATION AND ANALYSIS, TRACE ANALYTICAL METHODS FOR ORGANICS AND METALS IN MARINE SAMPLES. METHODS AND INSTRUMENTATION FOR GFAAS AND ICP EMISSION SPECTROMETRY. MICROPROCESSORS FOR CONTROL OF HARDWARE AND DATA ACQUISITION.

KROUSE H R : STABLE ISOTOPE ABUNDANCES ARE USED TO IDENTIFY SOURCES OF POLLUTANTS (MAINLY SULPHUR COMPOUNDS) AND TRACE THEIR FATE IN THE ENVIRONMENT.

KRZYMIEN ME : TRACE ANALYSIS OF ORGANIC AIR-POLLUTANTS.

LANE DR D A : PHOTODECOMPOSITION OF POLYCYCLIC-AROMATIC- HYDROCARBONS, (PAH); DESORPTION OF ORGANICS FROM PARTICULATE MATTER; TRACE AND ULTRA-TRACE ANALYSIS OF GAS AND PARTICULATE PHASE TOXIC-COMPOUNDS; MASS-SPECTROMETRY (MS); TRIPLE QUADRUPOLE MS; ATMOSPHERIC PRESSURE CHEMICAL IONIZATION MS; MOBILE MS.

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

TRACE-ANALYSIS

JACKSON RA : ELEMENTAL ANALYSIS, INCLUDING TRACE-ANALYSIS. ENVIRONMENTAL AIR AND WATER-SAMPLING TECHNIQUES. ANALYTICAL INSTRUMENT-DEVELOPMENT.

TRACE-CONTAMINANTS

CHAMP D R : BIOLOGICAL AND GEOCHEMICAL CONTROLS ON THE ENVIRONMENTAL BEHAVIOUR OF TRACE-CONTAMINANTS (ORGANICS, HEAVY-METALS, RADIONUCLIDES). EMPHASIS ON RADIONUCLIDE MOVEMENT IN GROUNDWATER FLOW-SYSTEMS.

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

TRACE-ELEMENT

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

TRACE-ELEMENT

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

TRACE-ELEMENTS

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.

D'AURIA J M : DEVELOPMENT OF USE OF BIOLOGICAL-ORGANISMS AS SENTINEL INDICATORS OF HEAVY ELEMENT POLLUTANTS IN THE ENVIRONMENT. USE OF XRF TO MEASURE TRACE-ELEMENTS IN BIOLOGICAL AND ENVIRONMENTAL SAMPLES.

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.

MEHRA M C : TRACE-ELEMENTS ANALYSIS IN ENVIRONMENTAL SAMPLES. STUDY OF CHEMICAL REACTIONS OF ANALYTICAL INTEREST BY SPECTROPHOTOMETRIC AND ATOMIC-ABSORPTION TECHNIQUES.

POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

WARREN H V : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

TRACE-METAL

BERMAN S S : TRACE-METAL ANALYSIS, PARTICULARLY IN MARINE MATERIALS. TRACE-METAL SEPARATIONS AND PRECONCENTRATION. INSTRUMENTAL-ANALYSIS.

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

LUM K R : CHEMISTRY OF TRACE-METAL POLLUTANTS IN THE AQUATIC ENVIRONMENT. CHEMICAL FORMS AND POTENTIAL AVAILABILITY OF ELEMENTS OF ENVIRONMENTAL IMPORTANCE. ASSESSMENT OF THE ENVIRONMENTAL-IMPACT OF METALS IN DREDGED-MATERIALS AND STEEL-SLAGS.

TONKS D B : TRACE-METAL ANALYSIS. PROFICIENCY TESTING (INTER-LABORATORY COMPARISONS). QUALITY-CONTROL OF ANALYTICAL PROCEDURES. INTERNATIONAL STANDARDIZATION OF ANALYTICAL METHODS FOR TRACE-METAL ANALYSES IN BIOLOGICAL SPECIMENS.

TRACE-METAL-ANALYSIS

PAGE J A : TRACE-METAL-ANALYSIS BY ELECTROCHEMICAL TECHNIQUES. SEA-WATER, FRESHWATER AND MARINE SEDIMENT-ANALYSES.

TRACE-METALS

BEWERS J M : GEOCHEMISTRY OF TRACE-METALS IN THE MARINE ENVIRONMENT. HALOGEN GEOCHEMISTRY. RADIO-ACTIVATION ANALYSIS. RESEARCH RELATED TO DISPOSAL OF RADIOACTIVE-WASTES IN THE OCEAN INCLUDING ENVIRONMENTAL SURVEILLANCE PROGRAMS.

GOYETTE D E : MARINE ENVIRONMENTAL-IMPACT-ASSESSMENT AND POLLUTION-CONTROL; INDUSTRIAL AND MUNICIPAL DISCHARGES, PACIFIC COAST. SPECIFIC STUDIES ON THE PHYSICAL, CHEMICAL AND BIOLOGICAL-IMPACTS OF MINE-TAILINGS AND PULP-MILL-EFFLUENTS; TISSUE TRACE-METALS: MONITORING AND REGULATION COMPLIANCE.

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

MCLEAN RONALD A N : PULP-AND-PAPER INDUSTRY. ACID-PRECIPITATION. TRACE-METALS.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

TRACE-METALS

POLAND J S : ANALYSIS OF TRACE-METALS AND TOXIC ORGANIC-COMPOUNDS IN THE ENVIRONMENT. ENVIRONMENTAL HEALTH AND SAFETY AND RELATIONSHIPS BETWEEN TRACE-ELEMENTS AND HEALTH AND NUTRITION.
TIMUSS AD : ENVIRONMENTAL LABORATORY ANALYSIS, TRACE-METALS, TRACE-ORGANICS.
WHITTLE DM : TRENDS IN CONTAMINANTS (PESTICIDES, INDUSTRIAL CHEMICALS AND TRACE-METALS) IN AQUATIC BIOTA FROM THE LAURENTIAN GREAT-LAKES. DETERMINE THE IMPACT OF CONTAMINANT BURDENS ON THE AQUATIC-ECOSYSTEM.

TRACE-ORGANIC-ANALYSIS

HIJAZI DR NH : MOBILE ENVIRONMENTAL MONITORING-SYSTEMS PARTICULARLY MS AND MS/MS. TRACE-ORGANIC-ANALYSIS (GC/MS, GC/MS/MS). ANALYTICAL-CHEMISTRY METHODS DEVELOPMENT AND INSTRUMENTATION. HAZARDOUS-WASTE SAMPLING AND ANALYSIS.
JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.
LAO ROBERT C : CHIEF OF THE DIVISION. TRACE-ORGANIC-ANALYSIS. GC/MS/COMPUTER SYSTEM. CHEMICAL AND PHYSICAL MEASUREMENTS OF POLLUTANTS.

TRACE-ORGANIC-CONTAMINANTS

HALL K J F : ENVIRONMENTAL POLLUTION, SPECIFICALLY TRACE-METALS AND TRACE-ORGANIC-CONTAMINANTS. PRODUCTION AND DECOMPOSITION PROCESSES IN MARSHES. LIMNOLOGICAL STUDIES ON NUTRIENT AVAILABILITY AND REGULATION OF PRODUCTION PROCESSES.

TRACE-ORGANICS

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.
TIMUSS AD : ENVIRONMENTAL LABORATORY ANALYSIS, TRACE-METALS, TRACE-ORGANICS.

TRACE-VAPOURS

ELIAS L : DETECTION OF TRACE-VAPOURS AND GASES IN ATMOSPHERE. MEASUREMENT OF AIRBORNE-EXPLOSIVES PESTICIDES AND FLUOROCARBONS.

TRACES

AKHTAR HUMAYOUN : SYNTHESIS, METABOLISM OF PESTICIDES (ORGANOPHOSPHATES, SYNTHETIC PYRETHROIDS) IN POULTRY AND FARM ANIMALS. DEVELOPMENT OF ANALYTICAL TECHNIQUES FOR DETERMINATION OF TRACES OF PESTICIDES AND METABOLITES IN MILK, URINE, FECES, EGGS AND TISSUES.

TRAFFIC

KNAPPER CK : ENVIRONMENTAL BEHAVIOUR AND ATTITUDES, WITH SPECIAL REFERENCE TO THE TRAFFIC ENVIRONMENT, DRIVING-BEHAVIOUR AND RECREATIONAL TRAVEL.

TRAINING

ANDERSON J M : FISHERIES RESEARCH AND DEVELOPMENT, IN PARTICULAR THE FIELDS OF AQUACULTURE AND SALMONID ENHANCEMENT STRATEGIES; EDUCATION AND TRAINING A SPECIALTY.
BLAIR NANCY : RESEARCH ASSOCIATE. STUDIES IN FUELWOOD SUPPLY, MARKETING AND DISTRIBUTION IN NOVA-SCOTIA INCLUDING STUDIES IN SOCIOLOGICAL, POLICY AND BUSINESS. PROJECT OFFICER IN TRAINING INDONESIANS IN ENVIRONMENTAL SKILLS EG. ENVIRONMENTAL-LAW, ENVIRONMENTAL-IMPACT-ASSESSMENT, ETC.
CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.
PERKS W T : STRATEGIC AND DEVELOPMENT PLANNING; URBAN-DEVELOPMENT; ENVIRONMENTAL EDUCATION AND TRAINING; POLICY-PLANNING AND ANALYSIS.

TRAINING

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.
SMITH DS : SPECIALIST IN ODOUR-ANALYSIS, PARTICLE-COLLECTION DEVICES AND PARTICLE-SIZING TECHNIQUES. INSTRUMENTAL IN HELPING GOVERNMENTAL AGENCIES FORMULATE TESTING PROCEDURES FOR ENVIRONMENTAL-POLLUTANTS AND TRAINING GOVERNMENTAL AND INDUSTRIAL PERSONNEL.
SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

TRAITEMENT

JAOUICH A : TRAITEMENT DES REJETS AGRICOLES. COMPOSTAGE VALORISATION DES SOLS MARGINAUX. UTILISATION DES SOLS POUR L'EPANDAGE UTILISATION DES TOURBES. (INDUSTRIELLE ET AGRICOLE) RELEVES HYDROGEOLOGIQUES. TRANSFORMATION DE LA MATIERE ORGANIQUE. AMENDEMENTS NATURELS.

TRAITEMENT-DES-EAUX

BRIERE M FRANCOIS : EPURATION DES EAUX. GESTION DES EAUX. TRAITEMENT-DES-EAUX USEES PAR TOURBIERES. EQUILIBRE CALCO CARBONIQUE DES EAUX DE CONSOMMATION.

TRAITEMENTS-DES-EAUX

COUILLARD DENIS : CARACTERISTIQUES DES EAUX-USEES, MODELES EN RIVIERES, TRAITEMENTS-DES-EAUX USEES. PLANIFICATION ET GESTION DES EAUX-USEES. EVALUATION DES IMPACTS.

TRANSMISSION-LINES

PARADINE P : ENVIRONMENTAL-ASSESSMENT, PANEL REPORTS ON HYDRO-ELECTRIC FACILITIES, TRANSMISSION-LINES, HIGHWAYS, RAILWAYS, OFFSHORE OIL AND GAS EXPLORATION AND PRODUCTION.

TRANSPORT

CORNETT RJ : TRANSPORT OF TRACE-ELEMENTS THROUGH AQUATIC-SYSTEMS. BIOACCUMULATION OF RADIONUCLIDES. MODELLING OXYGEN CONCENTRATIONS IN LAKES. ROLE OF GROUNDWATER INPUTS IN DETERMINING STREAM-WATER CHEMISTRY.
EAST C : METEOROLOGIE DE LA POLLUTION DE L'AIR TRANSPORT ET DIFFUSION DES POLLUANTS.
GARRATT D G : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.
GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.
KUDO A : DISTRIBUTION, TRANSPORT, TRANSFER AND TRANSFORMATION OF TOXIC-MATERIALS (INCLUDING RADIOACTIVE MATERIALS) IN THE AQUATIC ENVIRONMENT, ESPECIALLY PATHWAYS OF HEAVY-METALS.
LAU Y L : RIVER-MECHANICS; MIXING PROCESSES IN OPEN CHANNEL FLOWS; SEDIMENT TRANSPORT IN RIVERS; MODELLING OF RIVER FLOWS; EFFECTS OF ICE COVERS ON RIVER PROCESSES; REAERATION IN OPEN CHANNELS; CONTROL OF OIL-SLICKS BY BARRIERS.
MILLER D R : DISTRIBUTION AND TRANSPORT OF TOXIC-CHEMICALS IN THE ENVIRONMENT, AND THEIR EFFECTS ON ECOSYSTEMS AND ORGANISMS INCLUDING MAN; MECHANISMS OF TOXICITY; HAZARD-ASSESSMENT OF ENVIRONMENTAL CONTAMINANTS.
NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.
PAZDERNIK LJ : ENVIRONMENTAL ANALYSIS; METAL COMPLEXATION AND METAL-SPECIATION, BIOINORGANIC COMPLEXES, METAL TRANSPORT. IN ANALYTICAL-CHEMISTRY: ATOMIC-ABSORPTION AND EMISSION SPECTROSCOPY, ELECTROCHEMISTRY, CHROMATOGRAPHY, IR AND RMN SPECTROSCOPY.
RUKAVINA NORMAN A : GREAT-LAKES COASTAL EROSION AND SEDIMENTATION, GREAT-LAKES NEARSHORE SEDIMENTS, NEARSHORE SEDIMENT TRANSPORT, ENVIRONMENTAL SEDIMENTOLOGY, COASTAL MAPPING TECHNIQUES, GRAIN-SITE ANALYSIS OF MODERN SEDIMENTS.
SARKAR B : TRANSPORT, ACCUMULATION AND TOXICITY OF METALS CAUSED BY ENVIRONMENTAL AND OCCUPATIONAL-EXPOSURE. TRANSPORT FORMS OF COPPER IN HUMAN SERUM.
TELANG SADANAND A : EFFECTS OF MAN'S ACTIVITY ON WATER-QUALITY IN TERMS OF ORGANIC-COMPOUNDS. TRANSPORT OF CARBON IN THE MAJOR RIVERS OF CANADA.

TRANSPORT/FATE

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

TRANSPORTATION

BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.

LAMB A : DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES. CLIENT LIAISON. PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.

TRANSPORTATION-SYSTEMS

CHOQUETTE PAUL J : ASSESSMENT AND CONTROL OF HUMAN-THREATS TO THE ENVIRONMENT FROM ALL SECTORS OF THE CANADIAN ECONOMY, INDUSTRIAL OR OTHER. (TRANSPORTATION-SYSTEMS, URBAN ACTIVITIES, ETC.)

TRAP-DEVELOPMENT

ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

TREATMENT

CAMERON R D : SOLID-WASTE COLLECTION, TREATMENT DISPOSAL. MUNICIPAL UTILITIES DESIGN, CONSTRUCTION MANAGEMENT. WASTEWATER-TREATMENT AND DISPOSAL.

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

HUNSINGER R B : MICRO-CONTAMINENTS IN DRINKING-WATER (ASBESTOS, CHLOROFORM, DIOXINS) INCLUDING SAMPLING METHODS AND FATE WITHIN THE TREATMENT TRAIN, AND REMOVAL METHOD.

LEE HENRY : ACTIVATED SLUDGE PROCESSES, LAGOON, AERATION TECHNIQUES, AUTOMATIC MONITORING, FLOW-CONTROL, AND METERING OF PRIMARY TREATED EFFLUENTS: LIQUIDS AND FILTER PRESSED SOLIDS FROM PEA, BEAN AND CORN CROP PROCESSING. COST-CONTROL ANALYSIS OF TREATMENT.

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

ROBERTS KJ : DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION, TREATMENT AND DISPOSAL, SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

WEMYSS D : EVALUATION AND MODIFICATION OF METHODS AND INSTRUMENTS ASSOCIATED WITH DETERMINING SPECIFIC PARAMETERS OF RAW WATER, USING THE DATA FOR DRAWING UP AN OPTIMAL ECONOMIC METHOD FOR ITS EFFICIENT TREATMENT.

TREATMENT-SYSTEM

CHAI C Y : PULP-AND-PAPER MILL INPLANT CONTROL AND EFFLUENT TREATMENT-SYSTEM.

TREATMENT-SYSTEMS

RYAN RG : EXPERIENCE IN THE START-UP AND OPERATION OF BIOLOGICAL TREATMENT-SYSTEMS FOR EFFLUENT FROM BLEACHED KRAFT PULP-MILLS.

TREE

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MOSS A : MY FIRM HAS CONCENTRATED ON RESEARCH AND DEVELOPMENT OF MECHANICAL FOREST TREE SEEDLING-PLANTING-MACHINES AND OTHER MECHANIZED SILVICULTURAL EQUIPMENT. SPECIAL STUDY OF ASPEN.

PREE D J : INSECTICIDE TOXICOLOGY. PEST-MANAGEMENT. RESISTANCE STUDIES WITH TREE FRUIT INSECTS.

TREE-BREEDING

MORGENSTERN E K : FOREST-GENETICS, FOREST TREE-BREEDING, POPULATION-GENETICS, SILVICULTURE.

TREE-GENETICS

YEATMAN C W : PROJECT LEADER OF TREE-GENETICS AND BREEDING RESEARCH IN BOREAL CONIFERS. RESEARCH IN GENECOLOGY AND GENETIC IMPROVEMENT OF PINUS-BANKSIANA. ACTIVIST IN PROMOTING CONSERVATION OF FOREST GENETIC RESOURCES WORLD-WIDE.

TREE-IMPROVEMENT

CARLISLE J A : FOREST-ECOLOGY (NUTRITION, NUTRIENT CYCLE, ENVIRONMENTAL-IMPACT, PEATLANDS). NITROGEN-FIXATION AND MYCORRHIZAE TREE-IMPROVEMENT. QUESTIONNAIRE DESIGN.

GORDON A G : BIOMASS, PRODUCTIVITY, AND NUTRIENT-CYCLING OF SPRUCE FOREST-ECOSYSTEMS; THE GENETICS AND GENECOLOGY AND TREE-IMPROVEMENT OF THE SPRUCE GENUS.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

TREE-SEEDLINGS

SCARRATT J B : USE OF BARE ROOT AND CONTAINERIZED TREE-SEEDLINGS IN REFORESTATION PRACTICE. EMPHASIS UPON THE DEVELOPMENT OF NURSERY AND GREENHOUSE TECHNIQUES FOR GROWING CONIFEROUS SEEDLINGS, AND RELATED ASPECTS OF SEEDLING GROWTH AND DEVELOPMENT AFTER PLANTING.

TREE-SEEDS

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

TREES

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT: SITE INDEXES, VOLUME AND YIELD-TABLES, GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

FOGAL W H : FOREST-PROTECTION RESEARCH ON SEED TREES AND PLANTATIONS (ENTOMOLOGY AND PATHOLOGY), CHEMICAL-CONTROL (GROUND APPLICATIONS), BIOLOGICAL-CONTROL (MICROBIALS), CULTURAL-CONTROL (HOST-RESISTANCE; STAND-MANAGEMENT).

TREES

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

KHALIL M A K : FOREST GENETICS AND TREE-IMPROVEMENT. BREEDING TREES FOR RESISTANCE TO INSECTS, DISEASES AND POLLUTANTS.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.

ST-LAURENT ANDRE : IMPROVED METHODS OF LUMBER FABRICATION FROM LOGS: WOOD-MACHINING, WOOD-CUTTING, FELLING OF TREES AND WOOD-CUTTING MACHINERY IN GENERAL.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

TREND-ANALYSIS

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

TRITIUM

OGRAM DR GL : RESEARCH INVOLVES FATE OF ATMOSPHERIC-EMISSIONS FROM NUCLEAR AND COAL BURNING GENERATING-STATIONS. AREAS OF ONGOING STUDY INCLUDE THE FATE OF TRITIUM AND THE DEVELOPMENT OF A DIODE LASER BASED SYSTEM TO MEASURE DEPOSITION RATES.

OSBORNE R V : MANAGEMENT OF ENVIRONMENTAL RESEARCH PROGRAM INVESTIGATING PHYSICAL, CHEMICAL AND BIOLOGICAL PROCESSES THAT AFFECT MOVEMENT OF RADIONUCLIDES, AND ASSESSING RADIATION-DOSES FROM RADIOACTIVE-WASTES. RADIATION-PROTECTION PRINCIPLES AND PRACTICE, PARTICULARLY RELATING TO TRITIUM.

TROPHIQUES

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

TROPHO DYNAMICS

STOCKNER J G : RESEARCH ON TROPHO-DYNAMICS OF LAKES AND COASTAL MARINE-WATERS OF BRITISH-COLUMBIA, SPECIALIZING IN AUTOTROPHIC PRODUCTION AND NUTRIENT DYNAMICS.

TROPICAL

AYLES GB : RESEARCH ON GENETICS OF FISH, FISH CULTURE AND AQUACULTURE. EXPERIENCE IN NORTH TEMPERATE CLIMATES AND SOME TROPICAL CLIMATES. MANAGEMENT OF FRESHWATER AND MARINE FISHERIES AND AQUATIC RESEARCH.

BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS. PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION. TROPICAL, TEMPERATE AND ARCTIC-LAKES.

NEAME P A : RESEARCH IN NUTRIENT-CYCLING IN AQUATIC-ECOSYSTEMS. EXPERIENCE IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND TROPICAL FISHERIES ECOLOGY.

TAYLOR F J R : ECOLOGY OF BRITISH-COLUMBIA AND TROPICAL PHYTOPLANKTON. RED-TIDES. CIGUATERA FISH-POISONING. DINOFLAGELLATES.

TROPICS

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

TROUT

OZBURN G W : MULTIPLE ORGANIC TOXICITY. BIOACCUMULATION. BIOCONCENTRATION EFFECT ON GROWTH, ETC. USING FLAGFISH AND BROOK TROUT. CURRENTLY USING CHLORINATED-BENZENES AND CHLORINATED-PHENOLS AS CONTAMINANTS.

TUMOR

FEUER GEORGE : MECHANISM OF ACTION OF FOREIGN COMPOUNDS ON THE LIVER CELL AND ITS PHYSIOLOGICAL AND PATHOLOGICAL CONSEQUENCES IN VARIOUS TARGET ORGANS. ROLE OF STEROID HORMONES AND RECEPTOR-BINDING IN THE IATROGENIC ACTIONS OF ENVIRONMENTAL CHEMICALS ON THE LIVER, PARTICULARLY IN TUMOR PRODUCTION (CHEMICAL CARCINOGENESIS). STUDIES ON HUMAN MELANOMA RELATED TO ALTERED PINEAL FUNCTION.

TURBINE

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC; TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

WHYTE R B : GAS ANALYSIS OF EXHAUST FROM GAS TURBINE; GASOLINE AND DIESEL-ENGINES OPERATED ON A VARIETY OF STANDARD AND PROPOSED ALTERNATIVE-FUELS. SAE-PAPER-811182 BROAD CUT FUELS FOR AUTOMOTIVE DIESELS: SAE-PAPER-821233 EFFECT OF LOW CETANE FUELS ON DIESEL-ENGINE OPERATION.

TURBINE-DRIVEN

BAMBROUGH HA : CONTROL TECHNOLOGY FOR EMISSIONS TO ATMOSPHERE FROM FOSSIL FUEL-FIRED ELECTRICITY GENERATING UNITS, STEAM AND GAS TURBINE-DRIVEN.

TURBINES

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES. OCEAN MIGRATION. LOW HEAD TURBINES TIDAL-POWER. STURGEON. LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS. DECAPODS. AMPHIPODS).

TURBULENCE

BOSTON N E J : PHYSICAL OCEANOGRAPHY: AIR/SEA-INTERACTION AND TURBULENCE: MICROMETEOROLOGY OIL-SPILL CONTINGENCY-PLANNING; PLANNING AND EXECUTION OF INTERNATIONAL-RESEARCH PROGRAMS: TEACHING OF UNDERGRADUATE/GRADUATE OCEANOGRAPHY COURSES: DEVELOPMENT OF OCEANOGRAPHY PROGRAMS FOR DEVELOPING-COUNTRIES AND UNIVERSITIES.

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE. SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

REID JD : PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

TURFGRASSES

BURPEE LL : PLANT-PATHOLOGY; BIOLOGY AND CONTROL OF SOIL-BORNE PATHOGENIC FUNGI ON WHEAT AND TURFGRASSES.

ULTRASONICS

FENTON M B : BEHAVIOUR OF BATS (CHIROPTERA); ECHOLOCATION. SOCIAL INTERACTIONS; FEEDING. CONTROL; COMMUNICATION; ULTRASONICS.

ULTRASOUND

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND. MICROWAVE. ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS. EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

ULTRASOUND-RESEARCH

KOBLANSKI J N : ULTRASOUND-RESEARCH AND DEVELOPMENT. POLLUTION CONTROL: IN-SITU BURNING. COLLECTING AND HERDING OIL-SLICKS. LABORATORY INSTRUMENTS: POWER METER - STANDARDIZES MEDICAL THERAPY AND UNDERWATER COMMUNICATION GEARS. CHEMICAL: PROCESS CONTROL EQUIPMENT - MONITORS CHANGES IN PHYSICAL CHARACTERISTICS.

ULTRAVIOLET

FORER A : REARING OF CRANE FLIES IN THE LABORATORY. ULTRAVIOLET MICROBEAM IRRADIATIONS AT CONTROLLED WAVELENGTHS AND DOSES. AND MECHANISMS OF CHROMOSOME MOVEMENT DURING CELL-DIVISION.

GAYNOR J D : THE EFFECT OF SOIL AND ENVIRONMENTAL FACTORS ON THE DEGRADATION OF HERBICIDES. INSTRUMENTAL ANALYSIS OF ENVIRONMENTAL SAMPLES USING GAS-CHROMATOGRAPHY. ATOMIC-ABSORPTION. ULTRAVIOLET AND VISIBLE SPECTROPHOTOMETRY. LIQUID CHROMATOGRAPHY. THIN LAYER CHROMATOGRAPHY AND MASS-SPECTROSCOPY.

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS. PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS. BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY. THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY. ULTRAVIOLET. FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS. PROMOTERS AND INHIBITORS. UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

LAST A J : SPECIAL PROCESS ENERGY APPLICATIONS AND RESEARCH SUCH AS HIGH POWER ULTRASOUND. MICROWAVE. ULTRAVIOLET AND INFRA-RED LIGHT; EMULSIONS. EMULSIFICATION PROCESSES AND EMULSIFIERS; ALSO LIQUID-FLOW-PROCESSING; IRON-ORE BENEFICIATION AND DIRECT REDUCTION OF IRON-ORE; POWDER METALLURGY; COMBUSTION AND FUELS IN METALLURGICAL PROCESSING; GASIFICATION AND LIQUEFACTION OF COALS AND BOTH FERROUS AND NON-FERROUS PYROMETALLURGY.

UNDERGROUND

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS). PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION. AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX: AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

MURRAY DJ : UNDERGROUND MINING ENVIRONMENT. ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES. QUARRIES. GRAVEL-PITS AND CRUSHING-PLANTS.

NANTEL J : RADIATION (RADON GAS AND GAMMA) AS IT PERTAINS TO APPLICATIONS IN UNDERGROUND MINES. MINING SYSTEM AND DESIGN OF MINING EQUIPMENT AND DEVELOPMENT OF CONTINUOUS MINING MACHINES FOR HARD ROCKS.

STEWART D B : STRATA MECHANICS AND ENVIRONMENTAL FACTORS THAT INFLUENCE THE HEALTH. SAFETY AND EFFICIENCY OF UNDERGROUND COAL-MINING IN THE ATLANTIC-REGION.

UNEP

BYSTRAM AGATHA M : PROVIDES BIBLIOGRAPHIES; ANSWERS TECHNICAL INQUIRIES; MAKES REFERRALS TO ENVIRONMENTAL EXPERTS IN CANADA AND ABROAD. DIRECTOR. NATIONAL FOCAL POINT FOR INFOTERRA. THE INFORMATION REFERRAL SYSTEM OF UNEP.

ROGALSKY JOHN : CONSULTANT. ENVIRONMENTAL DATA-MANAGEMENT. ELECTRONIC DATA-PROCESSING SYSTEMS DEVELOPMENT. CLIMATOLOGICAL APPLICATIONS DESIGN. COMPUTER-SYSTEMS IMPLEMENTATION. UNEP DATA-MANAGEMENT EXPERIENCE.

UNGULATE

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

UNGULATE

UNGULATES

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

UPTAKE

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.
MORTIMER D C : UPTAKE MECHANISMS FOR HEAVY-METAL ACCUMULATION BY AQUATIC MACROPHYTES. MECHANISM OF TOXIC RESPONSE OF HEAVY-METALS AT THE CELLULAR LEVEL.
WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS, SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

URANIUM

ABOUGUEDIA Z : REVEGETATION STUDIES OF LAND DISTURBED BY MINING ACTIVITIES (E.G. URANIUM TAILINGS, COAL SPOILS). ECOLOGICAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENT. RANGE-ECOLOGY AND PRODUCTIVITY. RESPONSE OF PLANTS TO AIRBORNE POLLUTANTS.
BAWEJA A S : SOIL-CHEMISTRY AND CLAY MINEROLOGY. DISPOSAL OF RADIOACTIVE-WASTES: URANIUM MILL TAILINGS AND IRRADIATED SPENT FUEL. INTEREST IN NUTRIENT AVAILABILITY FROM SOILS. PLANT-NUTRITION AND GROWTH, AND TROPICAL SOILS.
BECKETT PJ : USE OF MOSSES AND LICHENS AS BIOMONITORS IN INDUSTRIALLY-STRESSED ECOSYSTEMS. EFFECTS OF METALS (COPPER, NICKEL, URANIUM) ON TERRESTRIAL ECOSYSTEMS. RESTORATION OF ACID, METAL-STRESSED LAND.
BROWN R M : ISOTOPE HYDROLOGY BASED ON VARIATIONS OF ENVIRONMENTAL HYDROGEN, CARBON, OXYGEN, URANIUM ISOTOPES. MEASUREMENT OF ENVIRONMENTAL 3H, 14C. DEVELOPMENT OF SAMPLE PREPARATION TECHNIQUES FOR ACCELERATOR 14C DATING.
CHOMYN BA : GEOLOGY AND GEOCHEMISTRY OF DEEP ROCK DISPOSAL OF HIGH LEVEL RADIOACTIVE-WASTE: MAGNETIC SUSCEPTIBILITY, MEASUREMENTS RELATIVE TO ROCK COMPOSITION AT DEPTH. PREDICTION OF THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH URANIUM TAILINGS WITH TIME-MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK BEING EXTENDED TO OTHER TYPES OF TAILINGS.
FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL: AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.
GARRATT D G : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.
MCKEE P M : FRESHWATER-ECOLOGY; LIMNOLOGY; BIOGEOCHEMICAL CYCLING OF TRACE-ELEMENTS, ORGANICS AND RADIONUCLIDES; URANIUM MINE-TAILINGS; DRINKING-WATER AND ACIDIC-PRECIPITATION; FISHERIES-BIOLOGY.
PAGEAU YVON : ECONOMIE DES RESSOURCES MINERALES NON-RECOUVRABLES DONT LES RESSOURCES ENERGETIQUES (CHARBON, PETROLE, GAZ ET URANIUM). ENERGIE VERSUS ENVIRONNEMENT (TOUTE ECONOMIE D'ENERGIE SE SOLDE EN AMELIORATION DE L'ENVIRONNEMENT. PREOCCUPATION CONCERNANT L'ENERGIE NUCLEAIRE.
RITCEY G R : PROCESS OF URANIUM AND BASE-METAL ORES WHERE THE ENVIRONMENTAL CONSIDERATIONS OF TAILINGS EFFLUENTS WERE CONSIDERED. RECENTLY DEVOTED TO URANIUM TAILINGS, TO PREDICT THE MIGRATION OF RADIONUCLIDES AND OTHER CONTAMINANTS THROUGH THE TAILINGS WITH TIME. MODELS BEING DEVELOPED FOR PREDICTIVE MIGRATION. WORK WILL BE EXTENDED TO OTHER TYPES OF TAILINGS.
ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.
SMITHSON G L : ENVIRONMENTAL CHEMICAL AND RADIOCHEMICAL ANALYSIS OF ALL SAMPLE TYPES. SET UP FIRST COMMERICAL RADIOCHEMICAL LAB IN CANADA (1974). ANALYSIS OF ALL CHEMICAL AND ELEMENTAL SPECIES INCLUDING RADIUM, LEAD, POLONIUM, THORIUM AND URANIUM ISOTOPES IN ANY SAMPLE TYPE. RADIOCHEMICAL PROCEDURES MANUAL.
THOMPKINS PROF RW : ACTIVE CONSULTANT ON THE DESIGN OF URANIUM MINES.

URANIUM-MINES

URANIUM-MINES

YOSHIDA K : CHARACTERIZATION OF AIRBORNE ASBESTOS IN INSTITUTIONAL ENVIRONMENT. MEASUREMENT OF RESPIRABLE DUST IN POTASH PRODUCTION ENVIRONMENT. VIABLE AND ORGANIC DUST FOR INHALATION IN LIVESTOCK CONFINEMENT. ACUTE HEALTH EFFECT OF EXPOSURE TO GRAIN DUST. INHALATION EXPOSURE TO RADIOACTIVE AEROSOLS IN URANIUM-MINES. FIELD EXPOSURE MEASUREMENT OF PESTICIDE-SPRAY WORKERS.

URANIUM-MINING

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

URANIUM-REFINERY

TRACY BL : HEALTH-IMPACT OF ENVIRONMENTAL RADIOACTIVITY: RADIOACTIVE-EMISSIONS FROM COAL-BURNING STATIONS AND FROM A URANIUM-REFINERY. LEVELS OF NATURAL RADIO NUCLIDES IN HUMAN AND ANIMAL SPECIMENS. RADON-GAS IN HOMES.

URANIUM-SERIES

SWANSON S M : RADIONUCLIDE ACCUMULATION IN FOOD-CHAINS; URANIUM-SERIES. AQUATIC AND TERRESTRIAL-SYSTEMS; EFFECTS OF LOW-LEVEL RADIATION ON FISH-POPULATIONS.

URANIUM-TAILINGS

LUSH DONALD L : ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.

URBAN

ARCHDEKIN LW : URBAN AND REGIONAL-PLANNING WITH THE FOLLOWING AREAS OF EXPERTISE: PLANNING, POLICY AND REGULATORY INPUTS FOR RECREATION AREAS; LAND-USE PLANNING; PREPARATION AND PRESENTATION OF DEVELOPMENT DESIGNS OR REPORTS; PROJECT CO-ORDINATION AND MANAGEMENT.

BRYANT C R : RURAL DEVELOPMENT AND RURAL LAND-USE MANAGEMENT, ESPECIALLY IN RELATION TO AGRICULTURE AND RELATIONSHIPS WITH URBAN SYSTEMS. RURAL INFORMATION SYSTEMS. RURAL DEVELOPMENT WITHIN REGIONAL DEVELOPMENT. RURAL RESOURCE CONSERVATION.

CHOQUETTE PAUL J : ASSESSMENT AND CONTROL OF HUMAN-THREATS TO THE ENVIRONMENT FROM ALL SECTORS OF THE CANADIAN ECONOMY, INDUSTRIAL OR OTHER. (TRANSPORTATION-SYSTEMS, URBAN ACTIVITIES, ETC.)

DONALDSON G R : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.

DORNEY ROBERT S : ENVIRONMENTAL-ANALYSIS FOR PLANNING, DESIGN, PROTECTION AND MANAGEMENT PURPOSES, BOTH REGIONAL AND URBAN. URBAN ECOSYSTEM STRUCTURES AND PROCESSES. ENVIRONMENTAL-ASSESSMENT, REGIONAL RESOURCE MANAGEMENT. NATURE RESERVE PLANNING.

HAGE K D : AIR-POLLUTION IN SMALL VALLEYS; URBAN AIR-POLLUTION; DESTRUCTIVE WINDS IN ALBERTA, SASKATCHEWAN; MICROMETEOROLOGY, MESOMETEOROLOGY.

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND-RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

MAXWELL JAMES W : LAND-USE POLICY; NORTHERN-POLICY; LAND-USE RESEARCH; URBAN, RESOURCE AND ECONOMIC GEOGRAPHY; GEOGRAPHY OF CANADA; ENVIRONMENTAL POLICY, ENVIRONMENTAL-MANAGEMENT; RESOURCE-CONSERVATION POLICY.

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES: ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

URBAN-DESIGN

MCKELLAR J : HOUSING POLICY AND DESIGN, LAND-USE AND COMMUNITY-PLANNING. BUILDING SCIENCE RESEARCH, URBAN-DESIGN AND DEVELOPMENT STUDIES.

URBAN-DEVELOPMENT

PERKS W T : STRATEGIC AND DEVELOPMENT PLANNING; URBAN-DEVELOPMENT; ENVIRONMENTAL EDUCATION AND TRAINING; POLICY-PLANNING AND ANALYSIS.

URBAN-RESIDENTIAL

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

URBANIZATION

INSTITUTE FOR ENVIRONMENTAL STUDIE : ALL ASPECTS OF ENVIRONMENTAL MANAGEMENT INCLUDING ENVIRONMENTAL PERCEPTION, GREAT-LAKES ECOSYSTEM REHABILITATION, CLIMATE AND SOCIETY, IMPACT OF THIRD-WORLD URBANIZATION, RISK-ASSESSMENT, USE OF NATIVE GRASSES FOR RE-VEGETATING TOXIC MINE-WASTES.

UREA-FORMALDEHYDE-FOAM

NEWHOUSE M T : EFFECTS OF AIR-POLLUTANTS AND CIGARETTE-SMOKE ON THE LUNG. OCCUPATIONAL (CHEMICAL) ASTHMA. UREA-FORMALDEHYDE-FOAM RELATED PROBLEMS.

USSR

HOLOWACZ J : STUDY OF FOREST-RESOURCES, FORESTRY-INSTITUTIONS, FOREST POLICY AND FOREST-BASED INDUSTRIES OF THE USSR AND CERTAIN COUNTRIES BELONGING TO THE COUNCIL-FOR-MUTUAL-ECONOMIC-ASSISTANCE, (CMEA).

UV-SPECTROMETRY

WEBSTER G R B : TRACE ANALYTICAL ORGANIC-CHEMICAL RESEARCH ON DEGRADATION AND FATE OF PESTICIDES AND ENVIRONMENTAL-CONTAMINANTS SUCH AS PCBS AND DIOXINS IN SOIL: AQUATIC-SYSTEMS, PLANT AND ANIMAL TISSUES AND STORED PRODUCTS. TECHNIQUES: GAS-CHROMATOGRAPHY, HIGH PRESSURE LIQUID CHROMATOGRAPHY, MASS-SPECTROMETRY, THIN LAYER CHROMATOGRAPHY, UV-SPECTROMETRY, LIQUID SCINTILLATION COUNTING AND AUTORADIOGRAPHY.

VANCOUVER-ISLAND

GAGNON D PROF : VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.

VAPOURS

TSUCHIYA Y : ANALYSIS OF GASES AND VAPOURS RELEASED FROM BUILDING-MATERIALS AT ROOM TEMPERATURE AND UNDER PYROLYSIS CONDITIONS. THE ANALYTICAL TOOLS USED ARE A GC/MS, MS/MS AND HPLC.

VASCULAR-PLANT

HARMS V L : TAXONOMY AND PHYTOGEOGRAPHY OF THE VASCULAR-PLANT FLORA OF SASKATCHEWAN AND ADJACENT REGIONS. TAXONOMY OF HETEROTHECA (COMPOSITAE), (SPARGIANACEAE), PETASITES (COMPOSITAE), AND NORTHERN PLAINS GRASSES AND ORCHIDS (GRAMINEAE AND ORCHIDAICEA).

VASCULAR-PLANTS

PARMELEE J A : TAXONOMIC RESEARCH IN PARASITIC FUNGI (RUSTS, SMUTS AND MILDEWS) OF VASCULAR-PLANTS. STUDIES INCLUDE REVIEWS ON GEOGRAPHIC DISTRIBUTION AND LIFE-HISTORIES. RELATED WORK INVOLVES CREATION OF THE NATIONAL MYCOLOGICAL HERBARIUM A COLLECTION OF 250,000 DRIED FUNGUS SPECIMENS OF IMPORTANCE TO AGRICULTURE AND FORESTRY.

VECTORS

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.

FAULKNER P : MOLECULAR GENETICS OF INSECT BACULOVIRUSES. PHYSICAL MAPPING OF BACULOVIRUS GENOMES. USE OF BACULOVIRUSES AS EXPRESSION VECTORS OF FOREIGN DNA. MOLECULAR BASIS OF VIRUS VIRULENCE AND HOST RANGE.

VEGETABLE

CHENG H H : BIOLOGY, POPULATION-DYNAMICS, CHEMICAL AND BIOLOGICAL-CONTROL OF INSECTS ATTACKING TOBACCO AND PEANUT-CROPS; ASSESSMENT OF CROP-LOSSES, WITHOUT THE USE OF INSECTICIDES. INTEGRATED PEST-MANAGEMENT FOR VEGETABLE AND FIELD-CROPS.

MCCLANAHAN R J : BIOLOGICAL CONTROL OF INSECT AND MITE PESTS OF GREENHOUSE VEGETABLE CROPS, AND CONTROL OF FIELD VEGETABLE INSECTS WITH EMPHASIS ON RESISTANT VARIETIES; REVISION OF CONTROL RECOMMENDATIONS.

SZETO S Y : TRANSLOCATION, METABOLISM AND DEGRADATION OF PESTICIDES IN SOIL AND IN VEGETABLE AND SMALL FRUIT-CROPS; CHEMICAL ASPECTS OF NATURAL ATTRACTANTS OF THESE CROPS TO INSECT PESTS. PUBLICATIONS AVAILABLE.

VEGETABLE-CROPS

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

VEGETABLE-GROWING

MAURER A R : EXTENSION OF THE VEGETABLE-GROWING SEASON BY: SELECTION OF COLD TOLERANT CULTIVARS; OVERWINTERING OF CROPS IN THE FIELD AND USE OF CROP-PROTECTANTS SUCH AS FLOATING MULCHES, PLASTIC-TUNNELS ETC.

VEGETABLES

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

VEGETALE

BEAUMONT GASTON : LES EFFETS DES QUANTITES RESIDUELLES D'HERBICIDES (ATRAZINE) SUR LE FONCTIONNEMENT DES PLANTES SUPERIEURES. LA NATURE DES CONSTITUANTS PROTEIQUES, LIPIDIQUES DE LA CELLULE VEGETALE ET DES ORGANITES; CHLOROPLASTES, MITOCHONDRIES, MICROSOMES. LEURS EFFETS SUR LA PHOTOSYNTHESE, LA RESPIRATION ET SUR LE METABOLISME CELLULAIRE.

VEGETATION

ACHUFF DR PL : VEGETATION INVENTORIES; LAND-CLASSIFICATION.

BARCLAY-ESTRUP P : VEGETATION, SOIL, AIR-POLLUTION INTERRELATIONSHIPS, ESPECIALLY BRYOPHYTES AND LICHENS, ACIDIC-PRECIPITATION AND HEAVY-METAL ACCUMULATIONS. GENERAL PLANT ECOLOGY.

GAGNON D PROF : VEGETATION RELATIONSHIPS WITH APPLICATIONS TO FOREST-MANAGEMENT (REPLANTING), IN SOUTHWESTERN QUEBEC AND VANCOUVER-ISLAND, BRITISH-COLUMBIA.

GRIFFIN H D : AIR-QUALITY ASSESSMENT STUDIES; EFFECTS OF AIR-POLLUTANTS ON TERRESTRIAL VEGETATION AND SOILS, PARTICULARLY IN FORESTED AREAS; STUDIES OF ACIDIC-PRECIPITATION AND ITS EFFECTS ON TERRESTRIAL-ECOSYSTEMS.

HARPER D S : EFFECTS OF AIR-POLLUTANTS, SPECIFICALLY GASEOUS AIR-POLLUTANTS, ON TERRESTRIAL VEGETATION. RESEARCH ACTIVITIES ARE FOCUSED ON THE EFFECTS OF ETHYLENE ON CROPS AND ORNAMENTAL-PLANTS.

HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.

HIPFNER JC : ANALYSIS OF SOIL AND VEGETATION FOR PHOSPHORUS, NITROGEN FLUORIDE AND CHLORIDE. ANALYSIS OF SULPHATE, NITRATE AND CYANIDES. AUTOMATED ANALYSIS. ION CHROMATOGRAPHY EXTRACTION PROCEDURES FOR SOIL, SEDIMENTS.

VEGETATION

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

LANGFORD A N : PLANT-PATHOLOGIST, BREEDING FOR DISEASE RESISTANCE; PEAT-BOG AND FOREST-ECOLOGY; GRADIENT ANALYSIS OF CALIFORNIA DESERT VEGETATION. MOSTLY UNDERGRADUATE TEACHING.

LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.

MAUN M A : POPULATION-DYNAMICS AND PHYSIOLOGICAL ECOLOGY OF VEGETATION ON LAKE-HURON SAND-DUNES. INSECT/PLANT INTERACTIONS ON SAND-DUNE SYSTEMS. RECOLONIZATION OF SAND-DUNE SYSTEMS.

MORRISON IAN K : RESEARCH INTO EFFECTS OF ACID-RAIN ON FOREST BIOGEOCHEMISTRY, ESPECIALLY EFFECTS ON FOREST PRODUCTIVITY; RESEARCH INTO SOIL CHEMICAL CHANGES EFFECTED BY ACID-RAIN ARTIFICIALLY SUPPLIED; EFFECTS OF TOXIC HEAVY-METALS ON VEGETATION GROWTH.

NEILSON MM DR : SPRUCE-BUDWORM BIOLOGY, IMPACT AND CONTROL. INTENSIVE SILVICULTURE. TREE-IMPROVEMENT AND NUTRITION. ENVIRONMENTAL-IMPACT OF FORESTRY-PRACTICES. PRODUCTION OF FOREST BIOMASS FOR ENERGY. BIOLOGICAL-CONTROL OF FOREST-PESTS. EFFECT OF LONG-RANGE TRANSPORT OF AIR-POLLUTANTS ON FOREST VEGETATION AND SOILS.

PIIRVEE R : FOREST-MANAGEMENT, FOREST-MENSURATION, STATISTICAL-DESIGN AND ANALYSIS, REMOTE-SENSING, TECHNOLOGY-TRANSFER. PUBLICATION: "AN APPLICATION OF THE ARIES-SYSTEM TO GROUND VEGETATION MAPPING FOR FORESTRY".

REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.

RENNIE P J : PRODUCTIVITY OF TERRESTRIAL-ECOSYSTEMS, ESPECIALLY NORTHERN BOREAL FOREST ENVIRONMENTS IN RELATION TO SOIL NUTRITIONAL-STATUS, CLIMATIC-CHARACTERISTICS, AND PERTURBATION-EFFECTS. PARTICULAR INTERESTS INCLUDE MINERAL-CYCLING, FOREST-FERTILIZATION AND AIRBORNE POLLUTANT EFFECTS ON SOILS AND VEGETATION.

SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

SMITH D W : THE DYNAMICS OF NATURAL VEGETATION AND THE EFFECTS OF AUTHROPOGENIC STRESSES ON VEGETATION.

WARREN H V : TRACE-ELEMENTS IN VEGETATION, SOILS, AND THEIR RELATION TO CONTAMINATION OF THE ENVIRONMENT, EPIDEMIOLOGY, AND MINERAL EXPLORATION.

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

VEGETATION-CLASSIFICATION

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA, EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

VEGETATION-DAMAGE

MURTHA P A : REMOTE-SENSING. PHOTO-INTERPRETATION. COLOR-INFRARED AIR-PHOTOGRAPHS, VEGETATION-DAMAGE ASSESSMENT AND INTERPRETATION, LAND-CLASSIFICATION. (DAMAGE FROM INSECT, DISEASE, AIR-POLLUTION).

VEGETATION-MANAGEMENT

SUFFLING RC : BOREAL-FOREST ECOLOGY, QUANTITATIVE ANALYSIS OF LANDSCAPES, FIRE-HISTORY; ENVIRONMENTAL-IMPACT-ASSESSMENT OF RESOURCE DEVELOPMENTS; UTILITY CORRIDOR VEGETATION-MANAGEMENT.

VEHICLES

VEHICLES

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

VENTILATION

DAINTY E D : DEVELOPMENT OF DIESEL-EMISSIONS REDUCTION DEVICES FOR USE ON UNDERGROUND MINING VEHICLES (SUCH AS FILTERS AND SCRUBBERS), PROMOTION OF RATIONAL DIESEL-EMISSIONS TOXICITY CRITERION FOR UNDERGROUND VENTILATION PRESCRIPTION, AND PROMOTION OF THIS CRITERION (AIR-QUALITY-INDEX; AQI) FOR RATIONAL SELECTION OF ENGINES AND REDUCTION DEVICES FOR USE UNDERGROUND.

MURRAY DJ : UNDERGROUND MINING ENVIRONMENT, ESPECIALLY VENTILATION AND DUST. DUST CONTROL IN OPEN-PIT-MINES, QUARRIES, GRAVEL-PITS AND CRUSHING-PLANTS.

VISWANATHAN DR S : PARTICULATE-MEASUREMENT AND CONTROL, ODOUR MEASUREMENT AND CONTROL, TRACE-ELEMENT MEASUREMENT, DISPERSION MODELLING, INDUSTRIAL-HYGIENE MEASUREMENTS, HEATING AND VENTILATION.

VERTEBRATES

RANDALL D J : RESPIRATION AND CIRCULATION OF LOWER VERTEBRATES PARTICULARLY FISH. EDITOR OF "FISH PHYSIOLOGY".

SECOY D M : HERPETOLOGY, SPECIFICALLY REPTILES: BIRDS: ECOLOGY OF HIGH-LATITUDE VERTEBRATES: HISTORY OF PRE-INDUSTRIAL PEST-CONTROL.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WRIGHT R H : SENSE OF SMELL AS IT RELATES TO VERTEBRATES AND ALSO INVERTEBRATES. BASIC PHYSICO-CHEMICAL-PHYSIOLOGICAL MECHANISMS.

VERTICILLIUM-WILT

WHITNEY N J : MARINE FUNGI, TAXONOMY; METABOLIC-PRODUCTS FROM INTERFERENCE COMPETITION; FUNGAL ECOLOGY IN THE MARINE-ENVIRONMENT; ANTIBIOTIC COMPOUNDS FROM MARINE FUNGI. PLANT-PATHOLOGY: VERTICILLIUM-WILT OF POTATO. NEEDLE-CASTS OF CONIFERS.

VIBRATION-MEASUREMENT

WHICKER DJ : NOISE AND VIBRATION-MEASUREMENT, ANALYSIS AND CONTROL.

VIBRIOD

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

VIROLOGICAL

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

VIROLOGY

MIHOK S : RADIOECOLOGY OF RODENTS - ECOLOGY, BEHAVIOUR, RADIOTELEMETRY, HEMATOLOGY, PARASITOLOGY, VIROLOGY, HISTOLOGY, BIOCHEMICAL GENETICS.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

VIRUCIDES

WALLBANK A M : ANTISEPTICS, DISINFECTANTS, VIRUCIDES, BIOCIDES, SPORICIDES, Q-FEVER-COXIELLA BURNETII AS BIOHAZARDS, AND DECONTAMINATION OF ENDOSCOPES.

VIRUSES

CARSTENS DR EB : MOLECULAR BIOLOGY OF THE BACULOVIRUS, AUTOGRAPHA CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS (ACNPV). IDENTIFICATION OF THE GENES RESPONSIBLE FOR INITIATING VIRUS INFECTION AND STIMULATING VIRAL DNA REPLICATION. DEVELOPMENT OF THESE VIRUSES AS EUKARYOTIC EXPRESSION VECTORS FOR THE CLONING AND INVESTIGATION OF THE STRUCTURE AND FUNCTION OF OTHER EUKARYOTIC GENES.
CUNNINGHAM JOHN C : USE OF VIRUSES FOR THE CONTROL OF FOREST-INSECT PESTS; SAFETY-TESTING OF VIRAL PRODUCTS; REGISTRATION REQUIREMENTS FOR VIRUSES AS BIOCONTROL-AGENTS; FIELD-TRIALS WITH BIOLOGICAL CONTROL AGENTS; MASS PRODUCTION OF VIRUSES PATHOGENIC TO INSECTS.
SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

VITAMINES

LAMONTAGNE JEAN-CLAUDE : METTRE AUX POINTS DE NOUVELLES TECHNIQUES D'ANALYSES ET INSTRUMENTS DANS LES DOMAINES COMME PESTICIDES, ABSORPTION ATOMIQUE, CONTAMINANTS-CHIMIQUES, VITAMINES, EX: ANALYSES DES NITRO-SAMINES PAR THERMAL-ENERGY ANALYSER.

VOLUME-TABLES

SEGARAN S : SEED-ORCHARD ESTABLISHMENT, PROVENANCE AND PROGENY TRIALS, VEGETATIVE PROPAGATION, FOREST-GENETICS, FOREST BIOMETRICS, FOREST MENSURATIONS, MULTIPLE REGRESSION TECHNIQUES, VOLUME-TABLES, EXPERIMENTAL DESIGNS, FERTILIZATION FORMULATIONS, GREENHOUSE MANAGEMENT.

WALLEYE

COLBY P J : RESPONSE OF FISH-POPULATIONS (PRIMARILY WALLEYE) AND COMMUNITIES TO PERTURBATIONS.
LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

WASTE

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.
HEALE E L : DEVELOPMENT OF WOODY TREES AND SHRUBS ON TAILINGS; TRACE-ELEMENTS (ESPECIALLY NICKEL AND COPPER) EFFECTS ON VEGETATION; EXPERIMENTS UTILIZING WASTE GEOTHERMAL-HEAT ENERGY FOR THE PRODUCTION OF GREENHOUSE VEGETABLE-CROPS.
KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.
KHAN A W : ANAEROBIC CONVERSION OF CELLULOSIC WASTE OBTAINED FROM FORESTRY, AGRICULTURE, FARM, PAPER AND FOOD INDUSTRY AS WELL AS INDUSTRIAL AND MUNICIPAL SOLID-WASTE, TO FUELS AND CHEMICAL FEED-STOCK.
LAUGHLIN R G W : DEVELOPMENT OF WASTE-TREATMENT TECHNOLOGY. DEVELOPMENT OF USES FOR INDUSTRIAL AND MUNICIPAL-WASTES. OPERATION OF THE CANADIAN WASTE MATERIALS EXCHANGE PROGRAMME.
LEIDNER J : RECYCLING OF PLASTICS. PUBLICATION OF "PLASTICS WASTE, RECOVERY OF ECONOMIC VALUE". NEW YORK, M. DEKKER, 1981.
MURRAY DR : RECLAMATION OF MINE-WASTES IN CANADA BY STABILIZATION WITH GRASSES, LEGUMES OR TREES. WASTE CHARACTERIZATION CONDUCTED TO DETERMINE GROWTH LIMITING FACTOR. SURFACE PHYSICAL AND CHEMICAL TREATMENTS CONDUCTED TO PREPARE WASTE AREA FOR PLANT ESTABLISHMENT. MAINTENANCE OF STABILIZED AREAS AND COST-EFFECTIVENESS ANALYSIS. EXPERIENCE BEING EXTENDED TO INCLUDE CONSERVATION PRACTICES ON AGRICULTURAL LAND.
ROMANO L S : CHEMICAL ENGINEERING, MINING AND COMBUSTION CONTROL; HEAVY CHEMICAL INDUSTRY TECHNICAL DEVELOPMENT MANAGEMENT. SEWAGE AND WASTE CONTROL EXPERIENCE. FIRST CHEMICAL-PHYSICAL S.T.P. AND AERATED COMPOST FACILITY IN CANADA.
SHAW D R : DRILLING-FLUIDS: TOXICITY OF THEIR COMPONENTS, COMPOSITION AND CHARACTER. REHABILITATION OF IMPINGMENT AREAS RELATIVE TO WASTE EFFLUENTS INCLUDING OIL AND SALT-WATER SPILLS. EFFECTS ON VEGETATION OF OIL AND SALT-WATER SPILLS. SOIL-REHABILITATION, ANALYSIS, ETC.
SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

WASTE

TOWNSLEY P M : INDUSTRIAL FERMENTATIONS. BIOTECHNOLOGY. WASTE: HIGH TEMPERATURE PROCESSING. MUSHROOMS.

WRIGHT DS : ENVIRONMENTAL-ASSESSMENT AND IMPACT EVALUATION. PRIVATE-SECTOR EXPERIENCE IN APPLICATION OF ENVIRONMENTAL-ASSESSMENT METHODS TO LARGE-SCALE ENERGY PROJECTS, AND PUBLIC SECTOR EXPERIENCE IN DEVELOPMENT OF ENVIRONMENTAL-ASSESSMENT AND REVIEW PROCEDURES. SOLUTIONS FOR AND PREVENTION OF ENVIRONMENTAL PROBLEMS ARISING FROM NUCLEAR POWER GENERATION AND WASTE DISPOSAL, ETC.

YOUNG M M : DESIGN OF NOVEL MULTIPHASE CONTACTORS. COMPUTER-AIDED BIOREACTOR DESIGN AND CONTROL, CONVERSION OF LIGNOCELLULOSICS INTO ORGANIC-CHEMICALS, BIOCONVERSION OF WASTE BIOMASS INTO PROTEINACEOUS FOODS (SCP), FUEL ALCOHOL AND METHANE.

WASTE-DISPOSAL

HUGHES GM : GROUNDWATER CONTAMINATION AND WASTE-DISPOSAL.

MOLTYANER GL : HYDROGEOLOGICAL, GEOCHEMICAL, AND MATHEMATICAL ASPECTS OF CONTAMINANT-TRANSPORT FROM WASTE-DISPOSAL SITES.

ROBERTSON J A : POLICY ADVISER TO MINISTRY OF NATURAL RESOURCES ON MATTERS RELATING TO URANIUM. EXPLORATION, MINING RESERVES/RESOURCES, TAILINGS AND WASTE-DISPOSAL. GEOLOGY OF URANIUM DEPOSITS.

SIMPSON K J : HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS. MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.

STEWART R B : ANALYTICAL-CHEMISTRY FOR NUCLEAR-FUEL WASTE-DISPOSAL.

WASTE-HEAT

HUGHES F P : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

WASTE-INCINERATORS

LOMBARD W K : COMBUSTION-EQUIPMENT; WASTE-INCINERATORS; HEAT-RECOVERY; SNOW-MELTERS.

WASTE-MANAGEMENT

ASHBROOK A W : CORPORATE ENVIRONMENT AFFAIRS. ENVIRONMENTAL AND WASTE-MANAGEMENT POLICY, STRATEGY AND ANALYSIS IN URANIUM-MINING, MILLING AND REFINING. DECOMMISSIONING AND CLOSE-OUT OF MINE/MILL FACILITIES; DECOMMISSIONING AND RECLAMATION OF LOW-LEVEL RADIOACTIVE WASTE-MANAGEMENT SITES. WASTE UTILIZATION AND DISPOSAL. R&D STUDIES.

BULLEY N R : ANIMAL AND FOOD-PROCESSING WASTE-MANAGEMENT TECHNOLOGIES, ODOUR MEASUREMENT AND ODOUR CONTROL SYSTEMS, LAND-APPLICATION GUIDELINES FOR MANURE AND ORGANIC-WASTES.

HANSEN K J : WASTE-MANAGEMENT RELATED TO FLUE-GAS DESULPHURIZATION AND AIR-POLLUTION FROM COAL-FIRED THERMAL-ELECTRICAL POWER-PLANTS.

HARE M J : MAJOR ECONOMIC AND ENVIRONMENTAL ASSESSMENTS OF BEVERAGE CONTAINER LEGISLATION IN ALBERTA, BRITISH-COLUMBIA AND ONTARIO. HAVE ASSESSED OTHER AREAS OF WASTE-MANAGEMENT INCLUDING PER CAPITA SOLID-WASTE LEVELS (ONTARIO), ENVIRONMENTAL GUIDELINES FOR PACKAGING AND WASTE-MANAGEMENT PRODUCT CHARGES IN THE LAST TEN YEARS.

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

JONES P H : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.

KRUPTA DR SV : RESEARCH MANAGEMENT, ACID-DEPOSITION, ENVIRONMENTAL-ASSESSMENT, ENVIRONMENTAL-CONTAMINANTS, ENVIRONMENTAL EMERGENCIES, RECLAMATION, RISK-ANALYSIS, SOCIO-ECONOMIC ANALYSIS, TECHNOLOGICAL ASSESSMENT, WASTE-MANAGEMENT.

LUSH DONALD L : ENVIRONMENTAL CONSEQUENCES OF WASTE-MANAGEMENT BOTH RADIOACTIVE AND ORGANIC AND INORGANIC. FOCUS ON URANIUM-TAILINGS BOTH NATIONALLY AND INTERNATIONALLY ON PATHWAY ANALYSES. ENVIRONMENTAL-MONITORING PROGRAMS.

MAKHIJA R : METHOD DEVELOPMENT IN METALLURGICAL-EFFLUENTS. AIR-MONITORING, CHEMICAL AUDIT, IDENTIFICATION OF TOXIC-CHEMICALS AND THEIR ANALYSIS, WASTE-MANAGEMENT, SPILL-CONTROL. HAZARDOUS-WASTE METHODS DEVELOPMENT, OCCUPATIONAL-HEALTH AND SAFETY.

NURSALL J R : ECOLOGY OF CORAL-REEFS, ESPECIALLY FISHES; STRUCTURE AND EVOLUTION OF FISHES; SCIENTIFIC-POLICY; WASTE-MANAGEMENT.

PROCTOR & REDFERN GROUP : SPECIALIZED EXPERTISE IN THE FIELDS OF SOLID AND LIQUID INDUSTRIAL WASTE-MANAGEMENT AND ALTERNATE-FUELS.

WASTE-MANAGEMENT

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SEIF FARHAD : ORGANIC-CHEMISTRY. ENVIRONMENTAL PROTECTION PARTICULARLY RELATED TO AIR AND WASTE-MANAGEMENT.

SIMPSON K J : HAZARDOUS-WASTE MANAGEMENT, SITE SELECTION PUBLIC INVOLVEMENT, TECHNICAL EVALUATION, LEGAL AND INSTITUTIONAL CONSIDERATIONS, ALTERNATIVE WASTE-DISPOSAL OPTIONS. MUNICIPAL WASTE-MANAGEMENT AND RESOURCE-RECOVERY.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WOOD A G : PROTECTION OF HEALTH OF EMPLOYEES IN APPLICATION OF INDUSTRIAL-HYGIENE PRINCIPLES. DEVELOPMENT OF MATERIAL SAFETY DATA SHEETS AND TOXICOLOGY SUMMARIES FOR SYNTHETIC RUBBERS. COORDINATION OF WASTE-MANAGEMENT PROGRAMS AND MONITORING OF GOVERNMENTAL REGULATIONS.

WASTE-POLLUTION-ANALYSIS

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

WASTE-PRODUCTS

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

WASTE-RECOVERY

PHINIOTIS E : CHEMICAL-ENGINEERING: FOOD-CHEMISTRY AND TECHNOLOGY. GRAPE-JUICE AND WINES AND SPIRITS RESEARCH; INDUSTRIAL PRODUCTION; FERMENTATION. WASTE-RECOVERY (GRAPE POMACE, GRAPE-SEEDS, SLUDGE ETC). PUBLICATIONS ON GRAPE/WINE PHENOLIC COMPONENTS.

WASTE-REUSE

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

WASTE-STREAMS

OVEREND R P : ENVIRONMENTAL-ASSESSMENT OF THE IMPACTS OF INTENSIVE BIOMASS HARVESTING AND TREATMENT OF WASTE-STREAMS PRODUCED BY BIOLOGICAL AND THERMOCHEMICAL-PROCESSES FOR THE CONVERSION OF LIGNOCELLULOSICS TO FUELS AND CHEMICALS.

WASTE-TREATMENT

DAVIS DR E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

LAUGHLIN R G W : DEVELOPMENT OF WASTE-TREATMENT TECHNOLOGY. DEVELOPMENT OF USES FOR INDUSTRIAL AND MUNICIPAL-WASTES. OPERATION OF THE CANADIAN WASTE MATERIALS EXCHANGE PROGRAMME.

MITCHELL H : WATER AND WASTE-TREATMENT DESIGN AND EQUIPMENT SUPPLY.

ROBEY HL : INDUSTRIAL LIQUID AND SOLID WASTE-TREATMENT AND RECOVERY. WET AIR OXIDATION AND HIGH TEMPERATURE/PRESSURE CYANIDE HYDROLYSIS PROCESSES. APPLICATIONS RESEARCH. PROCESS DESIGN AND START-UP OF FULL SCALE SYSTEMS.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

WASTE-TREATMENT

SMART J : ANAEROBIC AND AEROBIC SLUDGE-TREATMENT HANDLING AND UTILIZATION. INVESTIGATING DIGESTER UNIT OPERATIONS E.G. MIXING, TEMPERATURE EFFECTS. OXYGEN TRANSFER DEVICE EVALUATIONS, AND INDUSTRIAL WASTE-TREATMENT.

WASTES

KARAU J H : NATIONAL MANAGER OF THE OCEAN-DUMPING CONTROL ACT (ODCA) PROGRAM WHICH REGULATES THE DISPOSAL OF WASTES AT SEA THROUGH A SYSTEM OF PERMITS.

KENNEDY KJ : RESEARCH IN CONVERSION OF INDUSTRIAL AND AGRICULTURAL WASTES TO METHANE IN ADVANCED ANAEROBIC REACTOR SYSTEMS.

MYSLICKI JJ : RECYCLING OF WASTES: ACTIVITIES AND PROJECTS ON AT-SOURCE SEPARATION, REDUCTION, RECOVERY AND RECYCLING.

PATNI N K : AGRICULTURAL AND RELATED WASTES. FARM-POLLUTION ABATEMENT.

ROWSELL J A : CONSULTANT IN TERRESTRIAL-ECOLOGY: BIOCHEMICAL DYNAMICS; REMOTE-SENSING DATA-ANALYSIS; PHYTOTOXICOLOGY; INDUSTRIAL WASTE-MANAGEMENT; LAND-APPLICATION OF WASTES; ENVIRONMENTAL-IMPACT-ASSESSMENT; ECOLOGICAL LAND-CLASSIFICATION; PEATLAND BIOLOGY; FLORA, FAUNA SURVEYS.

SMITH R E : DEGRADATION OF LIGNO-CELLULOSICS; IMPROVEMENT OF AGRICULTURAL AND INDUSTRIAL WASTES AS FEEDS FOR ANIMALS BY FERMENTATION; PRODUCTION OF SINGLE CELL PROTEIN FROM WASTES; UTILIZATION OF WASTE AND SURPLUS PRODUCTS AS SUBSTRATES FOR THE RECOVERY OF MICROBIAL BY-PRODUCTS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

WASTEWATER

ANDREYCHUK EP AL : CONDUCT WASTEWATER AND HYDROLOGY WATER-QUALITY STUDIES; PREPARE ENVIRONMENTAL-IMPACT-ASSESSMENT STUDIES.

DART F J : POTABLE-WATERS: CONTROL OF EXCESS INORGANICS PARTICULARLY BY SEQUESTRATION TECHNIQUES; CHEMICAL-ANALYSIS INTERPRETATIONS; CORROSION, FOULING AND CONTAMINANT-SOURCE ASSESSMENTS; PURIFICATION ALTERNATIVES; CHEMISTRY ASSESSMENTS OF WASTEWATER, INDUSTRIAL-WASTES AND LANDFILL.

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

LINKERT WG : CHEMICAL-ANALYSIS OF SHOP AIR FOR FUMES, SOLVENTS, DUSTS, ETC: TURBINE EXHAUST FOR NOX, ETC.; WASTEWATER.

MCROBIE D H : METHODOLOGY FOR: A WASTEWATER SURVEY TO IDENTIFY AND MEASURE SOURCES OF CONTAMINATION; WASTEWATER TREATABILITY STUDY TO DEFINE THE MOST EFFICIENT TREATMENT METHOD; AND A LABORATORY PILOT PLANT STUDY TO DEFINE DESIGN PARAMETERS AND GAIN TREATMENT-PLANT OPERATIONAL EXPERIENCE.

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

SUBRAHMANYAN TP : VIROLOGY OF THE ENVIRONMENT (WASTEWATER, SEWAGE-SLUDGE, SURFACE-WATER, RECREATIONAL-WATER, MUNICIPAL DRINKING-WATER) AS WELL AS ON THE EPIDEMIOLOGY, IMMUNOLOGY AND LABORATORY DIAGNOSIS OF ENTEROVIRUSES.

TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.

WYSLOUZIL D M : STUDY OF MILL-EFFLUENT SOLUTIONS. DESTRUCTION OF CYANIDE FROM GOLD MILL TAILINGS. PRECIPITATION OF HEAVY-METALS FROM WASTEWATER.

WASTEWATER-COLLECTION

ROBERTS KJ : DRINKING-WATER TREATMENT AND DISTRIBUTION. MANDATE RECENTLY EXPANDED TO INCLUDE RESEARCH ON: WASTEWATER-COLLECTION, TREATMENT AND DISPOSAL, SOLID-WASTE TREATMENT AND DISPOSAL AND AIR-POLLUTION ABATEMENT TECHNOLOGY.

WASTEWATER-IRRIGATION

BOLE J B : WASTEWATER-IRRIGATION. FERTILIZER USE EFFICIENCY.

WASTEWATER-SYSTEMS

ITKIN A : WATER SYSTEMS AND WASTEWATER-SYSTEMS FOR AGRICULTURE INDUSTRY AND MUNICIPALITIES.

WASTEWATER-TREATMENT

BEWTRA J K : WASTEWATER-TREATMENT AND DISPOSAL. PHYSICAL CHEMICAL AND BIOLOGICAL TREATMENT OF DOMESTIC AND INDUSTRIAL WASTEWATERS; LEACHING OF BRINE SOLUTION THROUGH CLAY-LINERS; DISPERSION OF POLLUTANTS IN RIVERS AND LAKES.

BIRKBECK A E : INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT. WATER-RECIRCULATION (EG. FISH-HATCHERIES). LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.

CAMERON R D : SOLID-WASTE COLLECTION, TREATMENT DISPOSAL. MUNICIPAL UTILITIES DESIGN. CONSTRUCTION MANAGEMENT. WASTEWATER-TREATMENT AND DISPOSAL.

DICKSON LIU : BIODEGRADATION AND TOXICITY-ASSESSMENT OF TOXIC-SUBSTANCES; INDUSTRIAL WASTEWATER-TREATMENT, BIOTECHNOLOGY DEVELOPMENT IN ENERGY AND RESOURCES.

FARQUHAR G J : LANDFILL GAS AND LEACHATE PROBLEMS. HAZARDOUS-WASTE MANAGEMENT AND SPILL RESPONSE. GROUNDWATER AND SOIL-POLLUTION. WATER AND WASTEWATER-TREATMENT. POLLUTION REMEDIAL ACTION.

GEHR R : RESEARCH INVOLVES PHYSICAL AND BIOLOGICAL WASTEWATER-TREATMENT. DISSOLVED AIR-FLOTATION; POLYELECTROLYTE USAGE AND BREAKDOWN; ROTATING BIOLOGICAL-CONTACTORS, AEROBIC-DIGESTION AT LOW TEMPERATURES.

HEINKE G W : PHYSICAL/CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. FIRE-PROTECTION STUDIES.

JONES P H : STUDY, DESIGN AND OPERATION OF BIOLOGICAL WASTEWATER-TREATMENT, SOLID WASTE-MANAGEMENT, TOXIC AND HAZARDOUS-CHEMICALS, CHEMICAL ACCIDENTS, ENVIRONMENTAL HEALTH IMPACT-ASSESSMENT.

MURPHY KEITH L : WATER AND WASTEWATER-TREATMENT PROCESSES; WATER-QUALITY MODELLING; ENVIRONMENTAL-IMPACT-ASSESSMENT.

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

RAMALHO RS : WASTEWATER-TREATMENT PROCESSES. AUTHOR OF SEVERAL PUBLICATIONS ON THIS SUBJECT.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT, IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

STEPHENSON JOSEPH P : BIOLOGICAL WASTEWATER-TREATMENT; PROCESS OPERATIONS AND CONTROL; MODELLING; INSTRUMENTATION.

THIRUMURTHI D : LOW COST WASTEWATER-TREATMENT FOR DEVELOPING NATIONS; LAGOONS AND PONDS; WATER-TREATMENT AND ANAEROBIC-TREATMENT OF SANITARY LANDFILL LEACHATE.

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT. DEMONSTRATION AND TECHNOLOGY-TRANSFER.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

WASTEWATER-TREATMENTS

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCESSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

WATER

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

AHMAD IJAZ : ANALYSIS OF PESTICIDES, PCBS, AND ORGANIC CONTAMINENTS IN ENVIRONMENTAL MATRICES (WATER, SOIL/SEDIMENT, BIOTA, PLANT AND ANIMAL TISSUES). ORGANIC SYNTHESIS.

ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.

BAKER B E : PESTICIDES AND HERBICIDE RESIDUES IN SOIL AND WATER; METHODS OF CONFIRMATION.

WATER

BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION. THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.

BROWN WFM : INDUSTRIAL ENVIRONMENTAL-PLANNING AND CONTROL. AIR, WATER AND SOLID AND LIQUID-WASTE. BUFFER AREAS, LANDSCAPING.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

CLARK A G : TOXIGENESIS OF VIBRIOD BACTERIA INCLUDING CAMPYLOBACTER AND VIBRIO-PARAHAEMOLYTICUS, THEIR SURVIVAL AND GROWTH IN WATER AND INFECTION OF ANIMALS. THE PHYSIOLOGY OF THE GENERA AND THOSE ORGANISMS CAPABLE OF DEGRADING OILS.

CRANDLEMIRE A L : ENVIRONMENTAL QUALITY-MONITORING, ASSESSMENT AND SURVEY-DESIGN: AIR, WATER, SOIL.

DEVRIES J : HYDROLOGY OF MOUNTAIN SLOPES. WATER AND SOIL-MANAGEMENT OF LOWLAND SOILS USED FOR AGRICULTURE.

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DICK J G : STATISTICAL ANALYSIS OF SPILL EVENTS FOR REASON, SOURCE AND CAUSE. ANALYTICAL SYSTEMS FOR AIR, WATER, SEDIMENT AND SOIL-SAMPLES TAKEN AT SPILL SITES INVOLVING PETROLEUM OR HAZARDOUS-CHEMICAL-SPILLS. FINGERPRINTING OIL-SPILLS.

DOMIER DR KW : RESEARCH IN THE VARIOUS AREAS OF AGRICULTURAL-ENGINEERING: POWER AND MACHINERY, STRUCTURES AND ENVIRONMENT, SOIL AND WATER.

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

FRANCIS D J : URANIUM (UO3) REFINERY ENVIRONMENTAL CONTROL; AIR AND WATER EMISSIONS. CARBONATE CHEMISTRY AND TRACE-METAL CHEMISTRY OF SEAWATER.

HARRIS I W E : TECHNOLOGY, ENGINEERING AND REGULATIONS RELATING TO OCCUPATIONAL-HEALTH, WASTE-MANAGEMENT (AIR, WATER, LAND) AND PRODUCT LIABILITY. SYNTHETIC ELASTOMERS AND RESINS.

HEINKE G W : PHYSICAL/CHEMICAL WATER AND WASTEWATER-TREATMENT. ARCTIC ENVIRONMENTAL-ENGINEERING. FIRE-PROTECTION STUDIES.

ITKIN A : WATER SYSTEMS AND WASTEWATER-SYSTEMS FOR AGRICULTURE INDUSTRY AND MUNICIPALITIES.

JAMIESON W D : TRACE-ORGANIC-ANALYSIS BY MASS-SPECTROMETRY. DEVELOPMENT AND PROVISION OF MARINE ANALYTICAL-CHEMISTRY REFERENCE MATERIALS (SEDIMENTS, BIOTA, WATER). COMPUTERIZED ACQUISITION AND PROCESSING OF MASS-SPECTRAL AND OTHER ANALYTICAL-DATA. MANAGEMENT OF LABORATORIES, RESEARCH AND DEVELOPMENT PROGRAMS.

KICENIUK J W : AQUATIC TOXICOLOGY OF CHRONIC EXPOSURE. TOXICOLOGY OF HYDROCARBONS. ANALYSIS OF HYDROCARBONS IN WATER SEDIMENT AND BIOLOGICAL SAMPLES.

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS, DISPERSION, UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

LAPPING M B : RURAL LAND-USE AND LAND-USE PLANNING POLICY; CONFLICTS BETWEEN DIFFERENT TYPES OF USE; STRONG INTEREST AND BACKGROUND IN LAND AND WATER LAW AND RESOURCES AS WELL AS AGRICULTURAL AND FORESTRY LAW AND POLICY.

LEDUC G : AQUATIC TOXICOLOGY. ACUTE AND LONG-TERM TOXICITY OF CYANIDE TO FISH. GROWTH, SWIMMING, OSMOREGULATION ETC. EFFECTS OF MODIFYING FACTORS OF TOXICITY: TEMPERATURE, SIZE OF FISH, CURRENT OF WATER ETC. MODE OF ACTION AND DETOXIFICATION OF CYANIDE. BIOACCUMULATION OF THIOCYANIDE. EFFECTS ON THYROID-GLAND AND RELATED FUNCTIONS.

MAHENDRAPPA M K : SOIL-CHEMISTRY AND MICROBIOLOGY AS RELATED TO ACID-RAIN AND NUTRIENT-CYCLING IN FOREST-ECOSYSTEMS. CHEMISTRY OF PRECIPITATION AND ITS INFLUENCE ON THE CHEMICAL AND BIOCHEMICAL PROCESSES ON TREES AND SOIL. IMPROVEMENT OF THE USE OF WATER AND FERTILIZERS IN TREE NURSERIES.

MITCHELL H : WATER AND WASTE-TREATMENT DESIGN AND EQUIPMENT SUPPLY.

MOORE R L : MICROBIOLOGICAL-ASSAYS FOR ENVIRONMENTAL MONITORING. FOOD AND WATER MICROBIOLOGY.

MOSELHY M M : ENVIRONMENTAL RESEARCH PLANNING. POLICY-ANALYSIS. AIR, WATER, WASTE-POLLUTION-ANALYSIS; EFFECTS. ANALYTICAL-CHEMISTRY. ATOMIC-EMISSION SPECTROSCOPY. MULTIELEMENTAL ANALYSIS.

MURPHY KEITH L : WATER AND WASTEWATER-TREATMENT PROCESSES; WATER-QUALITY MODELLING; ENVIRONMENTAL-IMPACT-ASSESSMENT.

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

PROKOPUK ROY : FOSSIL-FUELS FOR HEATING, POWER-GENERATION AND PROCESS APPLICATIONS: ENVIRONMENTAL-ASSESSMENT: AIR, WATER AND SOIL-POLLUTION FROM STATIONARY AND MOBILE SOURCES; ANALYTICAL LABORATORY TECHNIQUES.

QUIGLEY R M : MIGRATION OF WATER SOLUBLE SALTS THROUGH CLAY-RETENTION SYSTEMS; LIQUID HYDROCARBON MIGRATION THROUGH CLAYS; CLAY-MINERALOGY AND SOIL-CHEMISTRY APPLIED TO ENGINEERING PROBLEMS OF SOIL AND ROCK; GEOTECHNICAL ENGINEERING.

WATER

REDMANN R E : PHYSIOLOGICAL PLANT-ECOLOGY. GRASSLAND ECOLOGY. POLLUTION EFFECTS ON PLANTS. ESPECIALLY AIRBORNE SALTS AND ACIDITY. DROUGHT STRESS EFFECTS. PLANT WATER RELATIONS. CARBON-DIOXIDE EXCHANGE IN PLANTS.

SATTAR S A : VIRAL POLLUTION OF THE ENVIRONMENT AND ITS IMPACT ON HUMAN HEALTH. CHEMICAL DISINFECTION OF VIRUSES. SURVIVAL OF VIRUSES IN WATER, AIR AND ON SURFACES INDOORS.

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT. PROCESS DESIGN EVALUATION. PROCESS SCALE-UP. HAZARDOUS LIQUID WASTE-TREATMENT. SLUDGE HANDLING, DISPOSAL AND UTILIZATION. WATER RE-USE. NUTRIENT REMOVAL. PROCESS UPGRADING TECHNOLOGIES. WATER-TREATMENT. TECHNOLOGY-TRANSFER. CONTINUING EDUCATION COURSES. TECHNICAL PUBLICATIONS.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

SHAW R K : LABORATORY EXPERIENCE IN SPECIALIZED TOXICOLOGY. VOLUNTEER WITH THE ENVIRONMENT COUNCIL OF ALBERTA WORKING IN THE FIELD, LABORATORY AND WORKING GROUPS IN THE AREAS OF AIR, WATER AND GROUND-POLLUTION. TECHNICAL, POLITICAL, REGULATORY, MEDICAL AND LEGAL ASPECTS HAVE BEEN STUDIED.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

SLATER G P : DETERMINATION OF ORGANIC-COMPOUNDS IN WATER USING CAPILLARY GAS CHROMATOGRAPHY MASS-SPECTROMETRY.

SMITH DANIEL W : WATER, WASTEWATER AND SOLID-WASTE RESEARCH AND DESIGN FOR COLD REGIONS. SCALE UP OF WATER AND WASTEWATER-TREATMENT PROCESSES. DISINFECTION. MIXING AND MICROORGANISMS IN RIVERS.

SNC GROUP (THE) : TREATMENT OF POTABLE AND INDUSTRIAL WATER, INCLUDING REVERSE-OSMOSIS; AEROBIC AND ANAEROBIC TREATMENT OF DOMESTIC AND INDUSTRIAL LIQUID WASTES, INCLUDING SLUDGE HANDLING, DISPOSAL AND RECYCLING; MANAGEMENT OF SOLID-WASTE, INCLUDING ENERGY RECOVERY; ENVIRONMENTAL-IMPACT STUDIES, AIR-POLLUTION-CONTROL, NOISE ABATEMENT.

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

VAN-LOON J C : TRACE-ELEMENTS: ANALYSIS OF ENVIRONMENTAL SAMPLES. DETERMINATION OF CHEMICAL FORMS IN ENVIRONMENTAL SAMPLES (EG TETRAALKYLEAD COMPOUND IN SOIL, WATER, FISH ALGAE), USING TECHNIQUES OF ATOMIC SPECTROMETRY (AAS, ICPAES) AND CHROMATOGRAPHY.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

WAYGOOD E R : MASS CULTURE OF EUGLENA GRACILIS ON ANIMAL-WASTES FOR THE PURIFICATION OF WATER AND THE PRODUCTION OF SCP OR FERTILIZER.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WEINBERGER P : ECOPHYSIOLOGY AND TOXICOLOGY WITH SPECIAL REFERENCE TO SOILS. SOIL-MICRO-ORGANISMS, WATER (FRESH AND ESTUARINE) AQUATIC MICRO AND MACRO-PHYTES AND SOME TREES INDIGENOUS TO CANADA. FATE-TRANSPORT, UPTAKE, EFFECTS ON PHYSIOLOGY AND DEVELOPMENT OF N2-FIXING CYANOBACTERIA, ALGAE, AQUATIC MACROPHYTES AND SOME GYMNOSPERN AND ANGIOSPERM TREE-SEEDS.

WEMYSS D : EVALUATION AND MODIFICATION OF METHODS AND INSTRUMENTS ASSOCIATED WITH DETERMINING SPECIFIC PARAMETERS OF RAW WATER, USING THE DATA FOR DRAWING UP AN OPTIMAL ECONOMIC METHOD FOR ITS EFFICIENT TREATMENT.

WILLIAMS R B : RESPONSIBLE FOR ENVIRONMENTAL-CONTROL (AIR, WATER AND SOLID-WASTES) AT A 1000 TONNE PER DAY INTEGRATED PULP-AND-PAPER MILL.

WILSON DAVID RJ : PREPARATION OF DESIGN AND OPERATING GUIDELINES FOR AQUACULTURAL-SYSTEMS FOR WARM AND COLD WATER SPECIES, INCLUDING RECIRCULATING FACILITIES. ASSESSMENT OF FISHERIES AND AQUATIC ASPECTS IN E.I.A.

WILSON M A : MANAGES RESEARCH AND DEVELOPMENT PROJECTS ON POLLUTION-CONTROL TECHNOLOGY; SPECIFICALLY IN WATER AND WASTEWATER-TREATMENT, WASTE-MANAGEMENT AND ATMOSPHERIC-EMISSION CONTROL. AREAS OF WORK INCLUDE PULP-AND-PAPER, SOUR-GAS AND HAZARDOUS-WASTE DISPOSAL.

YURKOWSKI M : MUDDY ODOUR COMPOUNDS IN WATER AND ORGANISMS.

WATER-BALANCE

CZUBA M : PROBLEMS PERTAINING TO THE TOXICITY AND INTERACTIONS OF HEAVY-METALS AND AIR-POLLUTANTS AS THEY AFFECT THE PHYSIOLOGY, GROWTH AND HEALTH OF PLANTS AS WELL AS MAN AND TO SOME EXTENT ANIMALS. THIS HAS INVOLVED CHANGES IN TRACE-ELEMENT BALANCE, WATER-BALANCE, AND CHANGES IN TOXICITY RELATED TO METAL SPECIES.

SANDERSON MARIE E : CLIMATOLOGY OF THE GREAT-LAKES BASIN. WATER-BALANCE OF GREAT-LAKES. PRECIPITATION: QUANTITY AND QUALITY. (PRECIPITATION CHEMISTRY).

WATER-BALANCE

WATER-BODIES

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

WATER-CHEMISTRY

BRYDGES T G : CHEMIST WITH EXPERIENCE IN ANALYSES. WATER-CHEMISTRY AND BIOLOGICAL STUDIES AND LAKE-LIMING. PRESENTLY COORDINATING A LARGE ACID-RAIN STUDY INCLUDING ATMOSPHERIC, TERRESTRIAL, AQUATIC, LEGAL, ECONOMIC AND INFORMATION PROGRAMS.

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

WATER-CIRCULATION

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

WATER-CONSERVATION

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

WATER-CONTAMINATION

CARLISLE DR DB : EFFECTS OF WATER-CONTAMINATION ON THE PHYSIOLOGY OF AQUATIC-ORGANISMS.

WATER-DEMAND

GRIMA A P : WATER-DEMAND ESTIMATION, PARTICULARLY URBAN-RESIDENTIAL. ENERGY-CONSERVATION POLICIES. INSTITUTIONAL INSTRUMENTS FOR ENVIRONMENTAL-QUALITY. PUBLIC INVOLVEMENT IN ENVIRONMENTAL-IMPACT-ASSESSMENT, AND IN CLIMATE-IMPACT-ASSESSMENT.

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

WATER-EMISSIONS

CZORNYJ NESTOR : PLANNING, COORDINATING AND DIRECTING, PROVIDING OF TECHNICAL EXPERTISE IN BIOLOGICAL OXIDATION, AIR AND WATER-EMISSIONS AND OIL-SPILL PROBLEMS INCLUDING ORGANIZATION AND TEACHING AT AN OIL-SPILL SCHOOL.

WATER-LEVEL

WITHERSPOON DAVID F : EXPERTISE IS IN THE HYDROLOGY OF LARGE LAKES. OTHER FIELDS INCLUDE HYDRAULICS OF LARGE RIVERS INCLUDING ICE PROBLEMS. THIS EXPERTISE INCLUDES THE WATER-LEVEL FORECASTING AND REGULATION OF LARGE LAKES INCLUDING THEIR MODELLING.

WATER-MANAGEMENT

KENG J C W : SOIL-PHYSICS AND SOIL AND WATER-ENGINEERING. FARM-SOIL AND WATER-MANAGEMENT, NUTRIENT MOVEMENT IN SOIL PROFILE AND GROUNDWATER POLLUTIONS.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

WATER-MANAGEMENT

WATER-MOVEMENTS

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS. DISPERSION. UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

WATER-POLLUTANTS

KATZ MORRIS : SAMPLING AND ANALYSIS OF AIR AND WATER-POLLUTANTS, PRINCIPALLY POLYCYCLIC-AROMATIC-HYDROCARBONS (PAH) AND OTHER ORGANIC COMPOUNDS, BY CHEMICAL METHODS AND GAS CHROMATOGRAPHY, THIN-LAYER AND HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, ULTRAVIOLET, FLUORESCENCE AND MASS-SPECTROMETRY. IN-VIVO AND IN-VITRO STUDIES OF MUTAGENIC ACTIVITY OF PAH AND OTHER ORGANIC POTENTIAL CARCINOGENS, PROMOTERS AND INHIBITORS, UTILIZING RAPID BIOLOGICAL ASSAY SYSTEMS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

WATER-POLLUTION

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

FARKAS E J : NATURAL-GAS TRANSMISSION BY PIPELINE, NATURAL-GAS METERING AT HIGH PRESSURE, USE OF NATURAL-GAS AS A MOTOR-VEHICLE FUEL; SOLID, LIQUID, AND NUCLEAR-WASTE MANAGEMENT; AIR AND WATER-POLLUTION, ION-EXCHANGE.

LAMB A : DEVELOPMENT AND PROJECT MANAGEMENT OF ENVIRONMENTAL STUDIES. CLIENT LIAISON. PROVISION OF SPECIALIZED INPUT TO ENVIRONMENTAL STUDIES AND TO PROJECTS IN OTHER FIELDS (MUNICIPAL, STRUCTURAL, TRANSPORTATION, LAND-DEVELOPMENT AND PLANNING) RELATED TO AIR AND WATER-POLLUTION CONTROL, AND ENVIRONMENTAL-IMPACT FOR RESOURCE DEVELOPMENT PROJECTS.

MUIR JOHN : DESIGN AND CONTROL TECHNOLOGIES FOR MINIMIZING AIR AND WATER-RELATED ENVIRONMENTAL CONCERNS WITH NUCLEAR-GENERATING-STATIONS. RESEARCH ON AIR AND WATER-POLLUTION CONTROL AT CANDU NUCLEAR-GENERATING-STATIONS.

PIERCE RONALD C : INDOOR AIR-QUALITY. ESTIMATION AND ASSESSMENT OF HUMAN-EXPOSURE TO AIR-POLLUTANTS. AIR AND WATER-POLLUTION CHEMISTRY. ENVIRONMENTAL DYNAMICS AND ECOTOXICOLOGY OF AIR AND WATER-POLLUTANTS. DEVELOPMENT OF SCIENTIFIC CRITERIA FOR ENVIRONMENTAL-POLLUTANTS. POLYCYCLIC-AROMATIC- HYDROCARBONS.

ROSEHART RG : WATER-POLLUTION CONTROL IN PULP-AND-PAPER AND MINING INDUSTRY. (COLOUR REMOVAL, TOXICITY REDUCTION AND PROCESS CHANGE). PUBLIC CONSULTATION, GOVERNMENT POLICY FORMULATION.

SPRAGUE J B : WATER-POLLUTION BIOLOGY. EFFECTS OF TOXICANTS, ESPECIALLY METALS, ON AQUATIC-ORGANISMS.

VIRARAGHAVAN T : WATER AND WASTEWATER-TREATMENT; ON-SITE WASTEWATER-TREATMENT AND DISPOSAL; ANAEROBIC-TREATMENT OF INDUSTRIAL WASTEWATERS; WATER-POLLUTION ASPECTS.

WATER-POLLUTION-CONTROL

HADJINICOLAOU DR J : TOXICITY STUDIES. INDUSTRIAL WATER-POLLUTION-CONTROL. ENVIRONMENTAL-IMPACT-ASSESSMENTS. STREAM-POLLUTION AND CONTROL. ENVIRONMENTAL-MANAGEMENT.

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

WATER-PURIFICATION

KLEIN S : ORIGINATORS OF KS-22 AEROBIC SLUDGE WATER-PURIFICATION FOR POTABLE-WATER. PRODUCES HEALTHIER DRINKING-WATER AT ONE-THIRD THE COST OF CONVENTIONAL WATER-PURIFICATION SYSTEMS. INCLUDES ACTIVATED CARBON-BEDS. EXPERTISE IN WATER AND FLUIDS PURIFICATION USING MICROBIOLOGICAL BACKWASHABLE FILTERS AT 1 MICRON LEVEL. MANUFACTURE AND DESIGN OF DIATOMACEOUS EARTH-FILTERS.

WATER-QUALITY

ANDREYCHUK EP AL : CONDUCT WASTEWATER AND HYDROLOGY WATER-QUALITY STUDIES; PREPARE ENVIRONMENTAL-IMPACT-ASSESSMENT STUDIES.

WATER-QUALITY

AUSTIN A P : MARINE AND FRESHWATER ORGANISMS; COMMERCIAL UTILISATION; POLLUTION-EFFECTS; MARINE COMMERCIALLY USEFUL ALGAE, THEIR DISTRIBUTION, GROWTH, LIFE-CYCLES, HARVESTING AND IMPACT OF UTILISATION. FRESHWATER PERIPHYTON BIOFILMS ON ARTIFICIAL SURFACES AS ECOLOGICAL TOOLS IN ASSESSMENT MONITORING OF WATER-QUALITY AND POLLUTION-EFFECTS; CRITICAL DESIGN CONCEPTS FOR FIELD-SAMPLING AND STANDARDIZATION OF METHODOLOGY IN THE AREA.

BAYLY ISABEL DR : DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS; WATER-QUALITY. ACID-PRECIPITATION EFFECTS ON FOREST SEEDLINGS.

BOBEE B : STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.

BURGER C A : MICROBIOLOGICAL ENVIRONMENTAL-ASSESSMENT, DATA-INTERPRETATION, RECREATIONAL WATER-QUALITY, SURFACE-WATER, PUBLIC-HEALTH SIGNIFICANCE, SURVEY-DESIGN, USE OF COMPUTERS.

DAVIS A R : EXPERTISE IN THE FIELD OF WATER-QUALITY MANAGEMENT, ESPECIALLY IN WATER-QUALITY OBJECTIVES AND STANDARDS CHEMISTRY OF FRESHWATER-SYSTEMS.

DEMAYO A : ENVIRONMENTAL DATA AND MANAGEMENT INFORMATION SYSTEMS, WATER-QUALITY DATA COLLECTION AND INTERPRETATION, ORGANIZATION AND EVALUATION OF PROGRAMS.

DERKSEN A J : FISHERIES-BIOLOGY, ENVIRONMENTAL FACTORS AFFECTING FISH, FISH-HABITAT PROTECTION, WATER-QUALITY ASPECTS IN GENERAL, MERCURY IN FISH.

DOBSON H : ST-LAWRENCE GREAT-LAKES: WATER-CHEMISTRY, WATER-QUALITY: TREND-ANALYSIS AND MAPPING OF DISTRIBUTIONS, ESPECIALLY THE ASPECT OF PHOSPHORUS MANAGEMENT AND ITS RESULTS.

EDWARDS C J : A MEMBER OF THE SECRETARIAT PROVIDING BIOLOGICAL EXPERTISE TO THE INTERNATIONAL-JOINT-COMMISSION AND ITS WATER-QUALITY BOARD AND SCIENCE ADVISORY BOARD.

GARRATT D G : RESEARCH RELATED TO WATER-QUALITY, IMPURITY TRANSPORT IN SURFACE AND GROUNDWATER, URANIUM MINE-MILL DECOMMISSIONING AND RECLAMATION.

GOWDA TPH : WATER-QUALITY STUDIES: MIXING ZONES IN RIVERS; DISSOLVED OXYGEN; NUTRIENTS; BACTERIA; TRACE-CONTAMINANTS; CHEMICAL AND RADIONUCLIDE SPILLS. TRANSPORT/FATE MODEL DEVELOPMENT AND APPLICATION. RISK-ASSESSMENT FOR HAZARDOUS-CHEMICALS OF PUBLIC-HEALTH CONCERN.

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS. BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT. RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

HAWES RA : ENVIRONMENTAL BASELINE-STUDIES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS FOR INDUSTRIAL DEVELOPMENTS; ENVIRONMENTAL MANAGEMENT; IMPACT-MANAGEMENT, RESEARCH INTO EFFECTS OF DEVELOPMENT ON WATER-QUALITY AND FISH; LAND RECLAMATION RESEARCH, PLANNING AND MANAGEMENT.

JAMES W M : URBAN HYDROLOGY, STORMWATER-MANAGEMENT, FIELD INSTRUMENTATION, COMPUTER-MODELLING, STORM-MODELS, WATER-QUALITY MODELLING.

KOHLI B : PHYSICAL LIMNOLOGY; MODELLING OF WATER-MOVEMENTS, DISPERSION, UPWELLING/DOWNWELLING PROCESSES. ASSESSMENTS AND OPTIMIZATION OF SEWAGE (DIFFUSER) OUTFALLS AND WATER INTAKES. LAKE HARBOUR EXCHANGE EFFECTS ON WATER-QUALITY.

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT: AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

MACKENZIE A F : LAND-USE AND WATER-QUALITY; FERTILIZER USE AND ENVIRONMENTAL EFFECTS; MANURE AS A FERTILIZER AND SUBSEQUENT ENVIRONMENT HAZARDS AND BENEFITS.

MCBEAN E A : WATER-QUALITY ENGINEERING, LANDFILL-DISPOSAL, SOLID-WASTE MANAGEMENT, ACID-RAIN MODELLING AND COST-EFFECTIVENESS EVALUATION.

MCEWEN T J : FOOD-PROCESSING TECHNOLOGY, FOOD-WASTE RECOVERY AND UTILIZATION, PROCESS WATER-QUALITY.

MURPHY KEITH L : WATER AND WASTEWATER-TREATMENT PROCESSES; WATER-QUALITY MODELLING; ENVIRONMENTAL-IMPACT-ASSESSMENT.

NICHOLAICHUK W : SOILS AND WATER-CONSERVATION, WATER-MANAGEMENT, EFFLUENT IRRIGATION, SNOW-MANAGEMENT, SEEPAGE CONTROL, SURFACE WATER-QUALITY AND RUN-OFF, SALINITY CONTROL, ETC.

RAO S S : MICROBIOLOGICAL WATER-QUALITY OF THE GREAT-LAKES. EFFECTS OF ACID-STRESS ON LAKE MICROBIOTA AND BIODEGRADATION PROCESSES. GREAT-LAKES BACTERIAL WATER-QUALITY OBJECTIVES. ACID-STRESS EFFECTS ON BACTERIAL ACTIVITY AND MORPHOLOGY. MICROBIOLOGY OF SEWAGE. INDUSTRIAL-WASTES. DIAGNOSTIC ENTERIC-BACTERIA.

SCHREIER H : WATER-QUALITY ASSESSMENTS, PARTICULARLY CHEMICAL CHANGES IN WATER AND SEDIMENTS OF STREAMS AND GROUNDWATER SOURCES. RELATIONSHIPS BETWEEN SEDIMENTS AND SOIL DEVELOPMENTS. METAL CONTAMINATIONS IN WATER, SEDIMENTS, AND SOILS AND ITS EFFECTS ON BIOTA. ASBESTOS DISTRIBUTION IN WATER.

SERODES J : SEDIMENTATION AND DREDGING IN RIVERS AND ESTUARIES. WATER-QUALITY; SEDIMENT-QUALITY; DRINKING-WATER AND WASTEWATER-TREATMENT. IMPACT-ASSESSMENT ON AQUATIC-ECOSYSTEMS.

SHINDLER DR D B : SCIENTIFIC-POLICY ADVICE ON BIOTECHNOLOGY, MICROBIOLOGY AND LIMNOLOGY. EXPERTISE AND EXPERIENCE IN BIOLOGICAL-MONITORING OF TOXIC-SUBSTANCES, WATER-QUALITY, LAKE ALGAL-BLOOMS AND EUTROPHICATION, AQUATIC ALGAE AND MACROPHYTES, BACTERIAL PHYSIOLOGY AND BIOCHEMISTRY, ENZYMOLOGY. COORDINATOR OF CANADA'S NATIONAL BIOTECHNOLOGY STRATEGY.

SMYTHE L A MS : GENERAL ENVIRONMENTAL STUDIES RELATED TO AQUATIC-BIOLOGY, TERRESTRIAL-ECOLOGY, AIR-QUALITY, WATER-QUALITY AND NOISE.

SVRCEK W Y : WATER-QUALITY; PETROLEUM BY-PRODUCTS.

WATER-QUALITY

SWITZER-HOWSE K D : EVALUATION OF AGRICULTURAL IMPACTS AND REMEDIAL MEASURES ON WATER-QUALITY AND QUANTITY; AGRICULTURAL-MANAGEMENT PRACTICES TO REDUCE SOIL-DEGRADATION; IMPACT OF DRAINAGE AND DRAIN-DESIGN ON EROSION, WATER-QUALITY AND QUANTITY.

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

TELANG SADANAND A : EFFECTS OF MAN'S ACTIVITY ON WATER-QUALITY IN TERMS OF ORGANIC-COMPOUNDS. TRANSPORT OF CARBON IN THE MAJOR RIVERS OF CANADA.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

WHITLOW S : MANAGE THE CANADIAN NATIONAL WATER-QUALITY DATA-BANK (NAQUADAT). ACTIVE IN DATA STORAGE, ANALYSIS AND PRESENTATION. HAVE UNDERTAKEN CONSULTING ASSIGNMENTS IN PHILIPPINES AND PANAMA FOR UN AGENCIES AND PARTICIPATE IN GEMS/WATER GLOBAL MONITORING.

YOUNG JWS : LRTAP, TOXIC-CHEMICALS, ENERGY, NORTH, GREAT-LAKES WATER-QUALITY, AIR-QUALITY, CLIMATE-CHANGE, OXIDANTS. MAIN FOCUS IS THE ATMOSPHERIC PATHWAY PORTION OF THESE AREAS.

WATER-QUALITY-MONITORING

WORGAN J P : ENVIRONMENTAL-IMPACT-ASSESSMENT FOR AIRPORT PROJECTS. SPECIALIZATION IN WATER-QUALITY-MONITORING AND ASSESSMENT.

WATER-RECIRCULATION

BIRKBECK A E : INDUSTRIAL AND MUNICIPAL WASTEWATER-TREATMENT. WATER-RECIRCULATION (EG. FISH-HATCHERIES). LANDFILL LEACHATE CHARACTERISATION AND TREATMENT.

WATER-RECLAMATION

HRUDEY S E : INDUSTRIAL WASTE-MANAGEMENT, PETROLEUM, ORGANIC CHEMICAL, OIL-SANDS, FOOD-PROCESSING INDUSTRIES; WATER-POLLUTION-CONTROL; WATER-RECLAMATION AND REUSE; HAZARDOUS, TOXIC-WASTE, MANAGEMENT, DISPOSAL; INDUSTRIAL BIOTECHNOLOGY; ANAEROBIC-TREATMENT OF INDUSTRIAL-WASTES; OIL AND PHENOLIC WASTE-TREATMENT.

WATER-RESOURCE

CHIENG S : RESEARCH AND EXPERTISE IN THE AREAS OF DRAINAGE, IRRIGATION, WATER-RESOURCE MANAGEMENT, HYDROLOGY AND COMPUTER-APPLICATION TO AGRICULTURE.

ELDER F C : RESEARCH MANAGEMENT IN AREAS RELATED TO ACID-PRECIPITATION EFFECTS ON AQUATIC-SYSTEMS, PHYSICAL LIMNOLOGY AND WATER-RESOURCE DATA-MANAGEMENT.

GRAY J A : WATER-RESOURCE ECONOMICS AND PLANNING, WATER-QUALITY ECONOMICS, FOREST-ECONOMICS, RECREATION ECONOMICS, BENEFIT-COST-ANALYSIS, ENVIRONMENTAL-IMPACT-ASSESSMENT, RESOURCE FEES AND CHARGES, RESOURCE-POLICY ANALYSIS.

NKEMDIRIM L C : HYDROLOGICAL AND HYDROMETEOROLOGICAL PROCESSES IN THE TROPICS INCLUDING MODELLING AND HYDROLOGICAL IMPACT-ASSESSMENT. WATER-RESOURCE EVALUATION AND DEVELOPMENT STRATEGIES. TRANSFER PROCESSES IN THE LOWER ATMOSPHERE. ATMOSPHERIC-POLLUTION. ENERGY-BALANCE.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

WATER-RESOURCES

BOALS RG : WATER-RESOURCES BRANCH IS RESPONSIBLE FOR COLLECTION AND STORAGE OF HYDROMETRIC AND SEDIMENT-DATA IN DATA-BANKS (HYDAT) WITH ACTIVE PROVINCIAL COOPERATION. DATA-BANKS CREATED TO PROVIDE READY AND DIRECT PUBLICATION OF HYDROMETRIC AND SEDIMENT RECORDS AND CONVENIENT ACCESS.

BOBEE B : STATISTICAL HYDROLOGY. WATER-RESOURCES. DATA-ANALYSIS. STATISTICAL METHODS SAMPLING-METHODS. WATER-QUALITY.

JONES L E : HYDRAULIC-ENGINEERING, WATER-RESOURCES, HYDRAULIC-MODELS. PROCESSING AND OPTIMUM INTERPRETATION OF EXPERIMENTAL DATA. NUMERICAL AND GRAPHICAL-METHODS. PHOTOGRAPHY, APPLIED PHYSICS. TECHNICAL EXPOSITION AND EDITING; ENGINEERING HISTORY. EDUCATIONAL METHODS: THEORY AND PRACTICE.

LANDIS H : ENVIRONMENTAL-LAW. GENERAL COUNSEL TO THE MINISTRY OF THE ENVIRONMENT (ONTARIO) AND SENIOR SOLICITOR TO THE FORMER ONTARIO WATER-RESOURCES COMMISSION.

LOGAN L A : WATER-RESOURCES SYSTEMS AND ENGINEERING: STOCHASTIC HYDROLOGY, RISK AND DECISION ANALYSES. ADVICE IN SOLVING WATER-MANAGEMENT PROBLEMS OF WATER-QUALITY CONTROL AND PROTECTION.

WATER-RESOURCES

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

PUGSLEY WI : NATIONAL CENTRE OF COMPETENCE CONCERNED WITH APPLICATION OF METEOROLOGICAL KNOWLEDGE AND DATA TO STUDIES DEALING WITH PROBLEMS OF THE FRESH AND SALT-WATER ENVIRONMENTS (HYDROLOGY, WATER-RESOURCES, OCEANS, LAKES AND RESERVOIRS).

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

SIBUL U : WATER-RESOURCES INVENTORY STUDIES AND MANAGEMENT. GROUNDWATER DEVELOPMENT AND PROTECTION FROM CONTAMINATION. HYDROGEOLOGY STUDIES AND EVALUATIONS.

TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.

TSEZOS DR M : WATER AND WASTEWATER-TREATMENT. REMOVAL OF TOXIC ORGANIC AND/OR INORGANIC POLLUTANTS. WATER RECYCLE. WATER-QUALITY ASSESSMENT AND CONTROL. WATER-RESOURCES. MANAGEMENT. TREATMENT TECHNOLOGY.

VEEMAN T S : WATER-RESOURCES POLICY. LAND-USE POLICY. WORLD FOOD PROBLEM. ENVIRONMENTAL AND RESOURCE ECONOMICS.

WATER-SAMPLING

JACKSON RA : ELEMENTAL ANALYSIS, INCLUDING TRACE-ANALYSIS. ENVIRONMENTAL AIR AND WATER-SAMPLING TECHNIQUES. ANALYTICAL INSTRUMENT-DEVELOPMENT.

WATER-SUPPLIES

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

WATER-SUPPLY

DROSTE RL : THEORY AND DESIGN OF WATER AND WASTEWATER TREATMENT SYSTEMS. APPROPRIATE TECHNOLOGIES FOR WATER-SUPPLY AND SANITATION IN DEVELOPING-COUNTRIES.

HOLDEN D M : HYDROLOGICAL STUDIES OF BLUEBERRY-CREEK WATERSHED. CONFLICTS OF MULTIPLE USE ON A COMMUNITY WATER-SUPPLY.

SHARP D S : ENVIRONMENTAL HEALTH-MANAGEMENT, PUBLIC-HEALTH EXPERIENCE IN DEVELOPING AND MONITORING WATER-SUPPLY AND SANITATION RESEARCH PROPOSALS. THE TOPICS COVERED ARE: TECHNOLOGY DEVELOPMENT, SOCIAL AND MANAGEMENT STUDIES, HEALTH IMPACT STUDIES, WASTE-REUSE RESEARCH, AND MANPOWER DEVELOPMENT PROJECTS.

TOWNSEND D R : WATER-RESOURCES ENGINEERING; WATER-SUPPLY AND WASTEWATER COLLECTION; RIVER ENGINEERING AND SEDIMENT-TRANSPORTATION; HYDRAULIC-STRUCTURES.

TOWNSHEND AR : NORTHERN AND RURAL (COLD-CLIMATE) ENVIRONMENTAL-ENGINEERING (WATER-SUPPLY, WASTEWATER-TREATMENT AND DISPOSAL, SOLID-WASTE MANAGEMENT) TECHNOLOGY DEVELOPMENT, DEMONSTRATION AND TECHNOLOGY-TRANSFER.

WATER-SYSTEMS

FINDLAY RON L : COORDINATED RESEARCH IN AIR, LAND, WATER-SYSTEMS.

LANGFORD C H : STUDIES OF SPECIATION OF METAL-IONS AND MOBILITIES OF PESTICIDES IN NATURAL WATER-SYSTEMS WITH SPECIAL REFERENCE TO THE NATURE AND ROLE OF HUMIC SUBSTANCES. DEVELOPMENT OF KINETIC METHODS OF ANALYSIS.

WATER-TABLES

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

WATER-TREATMENT

DAVIS DR E : BIOLOGICAL WASTE-TREATMENT FOR DOMESTIC AND INDUSTRIAL APPLICATIONS. PREVENTION OR REDUCTION OF TOTAL TRIHALOMETHANES BY MEANS APPLICABLE TO UNSOPHISTICATED WATER-TREATMENT PLANTS. ENVIRONMENTAL-IMPACT-ASSESSMENT TECHNIQUES.

WATER-TREATMENT

SCHMIDTKE DR N W : INDUSTRIAL WASTE-TREATMENT, PROCESS DESIGN EVALUATION, PROCESS SCALE-UP, HAZARDOUS LIQUID WASTE-TREATMENT, SLUDGE HANDLING, DISPOSAL AND UTILIZATION, WATER RE-USE, NUTRIENT REMOVAL, PROCESS UPGRADING TECHNOLOGIES, WATER-TREATMENT, TECHNOLOGY-TRANSFER, CONTINUING EDUCATION COURSES, TECHNICAL PUBLICATIONS.

SPIRATOS I : MANUFACTURERS OF PATENTED CHEMICALS USED IN POTABLE AND WASTEWATER-TREATMENTS, PULP-AND-PAPER INDUSTRY AND PROCFSSES, DISPERSANTS AND CHELATING-AGENTS USED IN WATER-TREATMENT, PULP-AND-PAPER, TEXTILES, TANNERIES, CEMENT, ETC. GENERAL CHEMICAL SPECIALTIES. DEVELOPER OF PATENTED-PROCESSES AND TECHNOLOGIES.

WATER-USE

REYNOLDS P J : PLANNING, COORDINATING AND CONDUCTING A PROGRAM OF LARGELY DIVERSE STUDIES RELATED TO WATER-RESOURCES POLICY AND MANAGEMENT AND INTERFACES WITH FOOD, FIBRE, ENERGY AND NUMERALS. DEVELOPMENT OF WATER-DEMAND FORECASTING-MODELS. CONDUCTING NATIONAL WATER-USE SURVEYS. EVALUATION OF THE VALUE OF WATER-RESOURCES SYSTEMS.

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

WATERBIRDS

VERMEER KEES : INVESTIGATION AND EVALUATION OF ENVIRONMENTAL DISTURBANCES (OIL-HYDROCARBONS, ORGANOCHLORINES, HEAVY-METALS, HUMAN AND HABITAT DISTURBANCE) ON WATERBIRDS (SEABIRDS AND FRESHWATER BIRDS) IN WESTERN CANADA (BRITISH-COLUMBIA, PRAIRIE-PROVINCES) AND IN SOME LATIN-AMERICAN COUNTRIES (CHILE, SURINAM).

WESELOH DV : LEVELS OF TOXIC-CHEMICALS, DISTRIBUTION AND POPULATION LEVELS OF COLONIAL WATERBIRDS ON THE GREAT-LAKES.

WATERFOWL

BOYD H : STATUS, BIOGRAPHY, POPULATION-DYNAMICS AND MANAGEMENT OF HOLARCTIC BIRDS, ESPECIALLY WATERFOWL, SHOREBIRDS AND SEABIRDS. DUCK-HUNTING AND DUCK NUMBERS.

PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.

REED AUSTIN : RESEARCH ON ECOLOGY OF MIGRATORY-BIRDS AND THEIR HABITATS, PRINCIPALLY WATERFOWL AND OTHER AQUATIC SPECIES.

WATERLOO-SCRUBBER

SPINK EF : INVENTORS AND DEVELOPERS OF THE "WATERLOO-SCRUBBER", A LOW ENERGY, LOW WATER-USE, WET SCRUBBER CAPABLE OF ULTRA HIGH REMOVAL OF SUB-MICRON PARTICULATE, GASES, ACID-MISTS AND ORGANIC FUMES.

WATERS

BOYLE R W : GEOCHEMISTRY: OF PRECIOUS METALS (AU, AG, PT); OF ARSENIC, ANTIMONY AND BISMUTH; OF SOILS AND NATURAL WATERS.

DUTKA BERNARD J : MICROBIAL TOXICITY-SCREENING TESTS; LEGIONELLA IN WATER; BACTERIAL WATER-POLLUTION, SPECIALIZING IN ENUMERATING BACTERIA FROM RIVERS, LAKES, SEDIMENTS AND SEWAGE-TREATMENT PLANTS. MICROBIAL POPULATIONS IN NATURAL WATERS.

FINDLAY D M : ENVIRONMENTAL PROBLEMS ASSOCIATED WITH LIQUID EFFLUENTS FROM PULP-AND-PAPER INDUSTRY. RESEARCH ACTIVITIES REGARDING EFFLUENTS INCLUDE CHEMICAL COMPOSITION, FISH-TOXICITY, EFFECTS ON BIOTA OF NATURAL WATERS AND FISH-TAINTING CHARACTERISTICS OF EFFLUENTS.

HAY G W : ANALYSIS OF CARBOHYDRATES IN SOIL, AND SURFACE AND MARINE WATERS.

MARSALEK J : CHARACTERIZATION OF CONTRIBUTIONS OF URBAN LAND-RUNOFF TO THE POLLUTION OF RECEIVING WATERS, FIELD AND COMPUTER-SIMULATION STUDIES OF SUCH CONTRIBUTIONS.

MCLEAN D M : ARBOVIRUS FIELD AND LABORATORY INVESTIGATIONS IN ARCTIC CANADA. MICROBIOLOGICAL (VIROLOGICAL) STANDARDS FOR ENVIRONMENTAL WATERS (FRESH AND MARINE).

MEGRAW SR : POLLUTION ABATEMENT IN PULP-AND-PAPER AND CHEMICAL-INDUSTRIES; ENVIRONMENTAL-IMPACT-ASSESSMENT OF LIQUID EFFLUENTS, SOLID-WASTES AND CHEMICAL WASTES PARTICULARLY THE EFFECTS ON BIOTA IN NATURAL WATERS AND SOILS.

NAISH VA : ENVIRONMENTAL-IMPACT-ASSESSMENT PARTICULARLY RELATED TO TOXICITY AND TAINTING OF AQUATIC COMMUNITIES AND TASTE OR ODOUR OF RECEIVING WATERS.

SMITH A E : DEVELOPMENT OF ANALYTICAL PROCEDURES FOR THE EXTRACTION AND ANALYSIS OF HERBICIDES IN SOILS AND WATERS. DETERMINE THE PERSISTENCE OF HERBICIDES IN SOILS UNDER LABORATORY AND FIELD CONDITIONS. ISOLATE AND CHARACTERIZE HERBICIDE-DEGRADATION PRODUCTS IN SOILS.

WATERS

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

THORPE JW : ANALYSIS OF TRACE-ORGANICS AND INORGANIC ANIONS IN NATURAL AND INDUSTRIAL WATERS USING MODERN GC, HPLC AND ION CHROMATOGRAPHIC TECHNIQUES. DEVELOPMENT OF AN ON-LINE ANALYZER FOR MEASUREMENT OF SUB-PPM LEVELS OF HYDROGEN-SULPHIDE IN WATER.

WATERSHED

AMBLER D C : SURFACE-WATER HYDROLOGY IN THE ATLANTIC-PROVINCES AND THE EASTERN ARCTIC-ISLANDS. RUN-OFF SIMULATION. WATERSHED FORECASTING.

BURNEY JR : SOIL AND WATER ENGINEERING AREA OF AGRICULTURAL-ENGINEERING, PRINCIPALLY SMALL WATERSHED HYDROLOGY. ADDITIONALLY IRRIGATION AND DRAINAGE OF AGRICULTURAL LAND.

DICKISON RBB : CHANGES IN WATER AND ENERGY-BALANCES, STREAMFLOW REGIME AND SNOW-COVER AFTER FOREST-HARVESTING ARE BEING RESEARCHED AS PART OF THE NASHWAAK EXPERIMENTAL WATERSHED PROJECT. THE INFLUENCE OF LOW-LEVEL TEMPERATURE INVERSIONS AND LAPSE RATES ON THE EFFICACY OF AERIAL-SPRAYS ARE BEING STUDIED IN CONJUNCTION WITH THE NEW-BRUNSWICK SPRAY EFFICACY RESEARCH GROUP.

DILLON P : EFFECTS OF ATMOSPHERIC-DEPOSITION ON AQUATIC-CHEMISTRY THROUGH THE USE OF THE CALIBRATED WATERSHED TECHNIQUE. A WIDE VARIETY OF BIOLOGICAL STUDIES AND TERRESTRIAL INVESTIGATIONS ARE ALSO COORDINATED AT THE CENTRE.

HOLDEN D M : HYDROLOGICAL STUDIES OF BLUEBERRY-CREEK WATERSHED. CONFLICTS OF MULTIPLE USE ON A COMMUNITY WATER-SUPPLY.

WATERSHEDS

KALFF J : AQUATIC-ECOLOGY, LIMNOLOGY, MACROPHYTES AND PHYTOPLANKTON, NUTRIENTS, PRODUCTION AND BIOMASS, WATERSHEDS, NUTRIENT-CYCLING, RELATIONSHIPS OF PRIMARY PRODUCTION TO SECONDARY AND FISH-PRODUCTION, TROPICAL, TEMPERATE AND ARCTIC-LAKES.

NEWBURY RW : RIVER AND STREAM BEHAVIOUR AND HABITATS, FIELD-EXPLORATION TECHNIQUES FOR CHARACTERIZING UNMAPPED WATERSHEDS AND STREAM CHANNELS, CHANNEL STABILITY, STREAM HYDROLOGY, DRAINAGE-BASIN EXPLORATION.

WALLER D H : URBAN STORMWATER-QUALITY AND QUANTITY. NON-POINT SOURCE POLLUTION. URBAN RESEARCH WATERSHEDS. RAIN-WATER CISTERN-SYSTEMS. ON-SITE SEWAGE-DISPOSAL.

WAVE-MEASUREMENTS

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENTS AND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

WAVES

CLODMAN STEPHEN : SHORT-RANGE COMPUTER WEATHER-FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.

DONELAN MARK : AIR-SEA INTERACTION: GENERATION, PROPAGATION AND DECAY OF WIND-GENERATED SURFACE WAVES: TRANSFERS OF MOMENTUM, HEAT AND MOISTURE ACROSS AIR-WATER INTERFACE: NUMERICAL WAVE FORECASTING: MIXING OF UPPER-LAYERS OF LAKES AND OCEANS.

WEATHER

LADOCHY S : SYNOPTIC CLIMATOLOGY, ESPECIALLY SEVERE WEATHER, AIR-POLLUTION METEOROLOGY, AND URBAN-CLIMATOLOGY.

NARASIAH S : WATER AND WASTEWATER-TREATMENT, AERATED LAGOONS, COLD WEATHER PERFORMANCE OF BIOLOGICAL-TREATMENT UNITS, PHOSPHATE REMOVAL IN WASTEWATER. BIODISCS TREATMENT OF DILUTE WASTEWATER. FILTRATION OF WASTEWATER.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

SKEY SGP : WEATHER AND SEA STATE FORECASTING (REAL TIME, 24 HRS/DAY/YEAR ROUND). METEOROLOGICAL MONITORING, FIELD STUDIES, NUMERICAL MODELLING, POLLUTION STUDIES, AGRICULTURAL AND WATER-RESOURCE STUDIES. OCEANOGRAPHIC CONSULTING, CURRENT, TIDE AND WAVE-MEASUREMENT[illegible]ND ANALYSIS FROM SHALLOW WATER TO DEEP OCEAN

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

WEATHER

WEATHER-FORECASTING

CLODMAN STEPHEN : SHORT-RANGE COMPUTER WEATHER-FORECASTING METHODS, ESPECIALLY PATTERN-RECOGNITION TECHNIQUES. MESOSCALE (INERTIO-GRAVITY) WAVES OF THE TROPOSPHERE. FORECASTING WIND-DRIVEN OCEAN AND LAKE SURFACE WAVES.

WEATHER-MODIFICATION

MACPHERSON J I : OPERATE NRC TWIN OTTER ATMOSPHERIC RESEARCH AIRCRAFT IN FOLLOWING TYPES OF EXPERIMENTS: WEATHER-MODIFICATION, AIR-SAMPLING, TURBULENCE RESEARCH, CO2-FLUX MEASUREMENT, ACID-RAIN RESEARCH.

MAYBANK J : RESEARCH IN CLOUD-PHYSICS, INCLUDING WEATHER-MODIFICATION AND IMPACT-ASSESSMENT FOR AGRICULTURE; AEROSOLS AND SPRAY DROPLET DISSEMINATION, ESPECIALLY RELATED TO PESTICIDE SPRAY-APPLICATION AND SPRAY-DRIFT; AGROCLIMATOLOGY AND AIR-POLLUTION.

WEATHER-SATELLITE

TAGGART C I : AIR-PHOTO INTERPRETATION; MILITARY PHOTO INTELLIGENCE; METEOROLOGICAL SATELLITE PHOTO-INTERPRETATION; REPRODUCTION AND DISTRIBUTION OF WEATHER-SATELLITE IMAGERY; FACSIMILE TRANSMISSION AND RECEPTION EQUIPMENTS; PUBLISHED A GUIDE TO THE INTERPRETATION OF SATELLITE CLOUD PHOTOS.

WEATHER-SERVICES

WEBSTER D J : CAN PROVIDE INFORMATION ON WEATHER-SERVICES PLANNING, POLICY-MAKING, PROGRAMS IN THE FOLLOWING AREAS: PUBLIC, MARINE AVIATION, FORESTRY, AGRICULTURE AND ENVIRONMENTAL WEATHER-SERVICES.

WEATHER-STATIONS

WIEBE B C : DEVELOPMENT OF AUTO WEATHER-STATIONS.

WEED

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

WEED-CONTROL

BOWREN K E : TESTING HERBICIDES FOR WEED-CONTROL IN CEREAL AND OILSEED-CROPS AND UNDER REDUCED TILLAGE PRODUCTION SYSTEMS. RESULTS ARE PUBLISHED IN ABSTRACTS TO THE E.C.W. WESTERN CANADA RESEARCH REPORT.

QURESHI FA : PLANT-PHYSIOLOGIST. MODE OF ACTION OF HERBICIDES, ENVIRONMENTAL FACTORS AND PERFORMANCE OF HERBICIDES, CHEMICAL WEED-CONTROL IN CEREALS AND OILSEED-CROPS, EXTENSION AND ADVISORY SERVICE IN WEED-CONTROL AND HERBICIDE-DAMAGE DIAGNOSTIC.

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

WEEDS

HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.

LABAJ AB : WEED SCIENCE; PERENNIAL WEED CONTROL; PLANT-NUTRITION; TISSUE CULTURING (STERILE CULTURE) OF PERENNIAL WEEDS. BIOTYPICAL STUDIES ON WEEDS; WEED PHYSIOLOGY.

LECHOWICZ M J : ECOLOGY OF PLANT PRODUCTIVITY. CONTROLS ON PLANT GROWTH AND REPRODUCTION, ESPECIALLY FOR ANNUAL WEEDS LIKE XANTHIUM-STRUMARIUM. NATURAL TREE DEFENSES AGAINST LEAF-FEEDING CATERPILLARS. CLIMATIC CONTROL OF LICHEN PRODUCTIVITY. ACID-RAIN EFFECTS ON LICHEN PRODUCTIVITY.

WELL-WATERS

LUTWICK GD : REMOVAL OF ARSENIC FROM RURAL WELL-WATERS BY ION-EXCHANGE WITH FERRIC-HYDROXIDE. PATENT.

WETLAND

FITZGIBBON JE : APPLIED WORK IN THE AREA OF HYDROLOGY. WETLAND RESEARCH, LAND-USE AND ENVIRONMENTAL-PLANNING, ENVIRONMENTAL-IMPACT-ASSESSMENT, AND LAND-EVALUATION AND DIGITAL MAPPING.

JEGLUM J K : WETLAND AND PEATLAND CLASSIFICATION AND ECOLOGY; BLACK-SPRUCE REGENERATION; SILVICULTURE; VEGETATION AND FLORISTICS OF BOREAL-FORESTS; SUCCESSION AND DYNAMICS OF BOREAL-FORESTS.

SIMS R A : VEGETATION AND SITE-CLASSIFICATION OF BOREAL, SUBARCTIC WETLAND AND ARCTIC TUNDRA AREAS. FOREST ECOSYSTEM CLASSIFICATION OF BOREAL NORTHERN ONTARIO. REMOTE-SENSING FOR VEGETATION STUDY:MAPPING AND INVENTORY (USING SATELLITE AND AIR-PHOTO DATA).

WELCH W : PLANT-ECOLOGY - WETLAND FOREST SUCCESSION, PLANT SUCCESSION FOLLOWING RIGHT-OF-WAY CONSTRUCTION, VEGETATION MANAGEMENT ON ELECTRICAL-TRANSMISSION RIGHTS-OF-WAY, COAL FLY-ASH RECLAMATION AND EROSION-CONTROL.

WETLAND-ECOLOGY

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

WETLANDS

BAYLY ISABEL DR : DYNAMICS AND NUTRIENT ORGANIZATION OF WETLANDS; WATER-QUALITY. ACID-PRECIPITATION EFFECTS ON FOREST SEEDLINGS.

GLOOSCHENKO W : ECOLOGY OF WETLANDS; PEAT; LONG-RANGE TRANSPORT OF ATMOSPHERIC-POLLUTANTS, TRACE-ELEMENT GEOCHEMISTRY.

KEDDY PA : ENVIRONMENTAL FACTORS REGULATING DIVERSITY IN WETLANDS VEGETATION. HUMAN IMPACTS ON WETLANDS VEGETATION. POPULATION-ECOLOGY OF RARE AND/OR ENDANGERED WETLANDS PLANTS. STATUS OF ATLANTIC COASTAL-PLAIN FLORA IN NOVA-SCOTIA.

MULAMOOTTIL G : WETLAND-ECOLOGY; LAND-USES AND ENCROACHMENTS IMPACTING ON WETLANDS; URBAN DRAINAGE PROBLEMS FOCUSSING ON STORMWATER MANAGEMENT; DETENTION FACILITIES; ENVIRONMENTAL-IMPACT-ASSESSMENTS RELATED TO WATER-RESOURCES.

OSWALD E T : VEGETATION-CLASSIFICATION AND MAPPING, PLANT-ECOLOGY, FOREST RESOURCE ANALYSES AND ENVIRONMENTAL-IMPACT-ASSESSMENTS IN NORTH AND WEST CANADA. EXPERTISE IN VEGETATION-CLASSIFICATION, SITE-ANALYSIS, PLANT-SUCCESSION, WETLANDS AND REMOTE-SENSING.

ROSENBERG D M : DESIGN OF ENVIRONMENTAL-IMPACT STUDIES; EFFECTS OF ENVIRONMENTAL DISTURBANCES ON MACROBENTHIC INVERTEBRATES; SAMPLING METHODS/DESIGN OF SAMPLING PROGRAMS FOR MACROBENTHOS; ECOLOGY OF CHIRONOMIDAE; AQUATIC INSECTS OF FRESHWATER WETLANDS.

ZOLTAI S C : RESEARCH IN DYNAMICS OF WETLANDS IN ARCTIC, SUBARCTIC AND BOREAL REGIONS. RESEARCH IN ENVIRONMENTAL-IMPACT-ASSESSMENT AND IN PLANT-SOIL RELATIONSHIPS IN THE ABOVE REGIONS OF CANADA.

WHALES

SERGEANT D E : BIOLOGY AND MANAGEMENT OF MARINE MAMMALS (SEALS, WHALES) IN THE NORTHERN HEMISPHERE.

WHEAT

BURPEE LL : PLANT-PATHOLOGY; BIOLOGY AND CONTROL OF SOIL-BORNE PATHOGENIC FUNGI ON WHEAT AND TURFGRASSES.

PIENING L : CHEMICAL AND BIOLOGICAL-CONTROL OF CEREAL DISEASES. BACTERIAL DISEASES OF WHEAT.

WHEY

FISHER L J : EVALUATION OF WASTE-PRODUCTS SUCH AS PROCESSED ASPEN-CHIPS, LIQUID WHEY AND WHEY BLOCKS AS FEED STUFFS FOR DAIRY CATTLE. RELATIONSHIP BETWEEN CALF HEALTH AND ITS ENVIRONMENT. NUTRITIONAL TOXICOLOGY AND ANIMAL-BEHAVIOUR STUDIES.

JELEN P : PROCESSING OF FOOD-WASTE MATERIALS (ESPECIALLY CHEESE WHEY) INTO HUMAN FOODS OR ANIMAL-FEEDS. FERMENTATION OF FOOD-WASTE MATERIALS INTO BIOGAS FOR INDUSTRIAL APPLICATIONS.

KEMPTON A G : MYCOTOXINS IN FOODS. POLLUTION-ABATEMENT BY MICROBIAL DESULPHURIZATION OF COAL. BIOCONVERSION OF WASTE WHEY INTO BEVERAGE ALCOHOL.

WHITEFISH

LIAW W K : LIMNOLOGICAL AND FISHERIES INVESTIGATIONS; FISH-STOCK ASSESSMENT; AQUATIC ENVIRONMENTAL-IMPACT-ASSESSMENT; LAKE WATER-QUALITY AND TROPHIC STATUS ASSESSMENT; CULTURE OF FISH FINGERLINGS (WALLEYE AND WHITEFISH) IN SMALL WATER-BODIES.

WILD-RICE

STEWART J M : PRODUCTION ACCUMULATION DYNAMICS OF PEATLAND; PEAT-CLASSIFICATION AND INVENTORY TECHNIQUES (REMOTE-SENSING); ECOLOGY OF WILD-RICE. UNGULATE RESPONSE TO HABITAT MANIPULATION; ECOLOGY OF HYDRO TRANSMISSION RIGHTS-OF-WAY.

WILDERNESS

BRENNER J E : ENVIRONMENTAL PROBLEMS IN CONJUNCTION WITH ROAD AND BRIDGE CONSTRUCTION IN WILDERNESS AREAS, PRIOR TO COMMENCEMENT OF A PROJECT. THIS INCLUDES ROUTE STUDIES TO ENSURE ONLY MINIMAL ENVIRONMENTAL DAMAGE.

WILDLAND

DONALDSON G R : URBAN LAND-USE PLANNING. URBAN WILDLAND PARKS.
STRANG R M DR : RESEARCH MANAGEMENT AND DIRECTION; FIRE AS AN ECOLOGICAL FACTOR AND TOOL FOR FOREST AND WILDLAND MANAGERS; ECOLOGICAL CONSIDERATIONS IN LAND-USE PLANNING AND MANAGEMENT.

WILDLIFE

ADDISON EDWARD M : WILDLIFE DISEASES (GENERAL); WILDLIFE PARASITOLOGY, MORE SPECIFICALLY INTERACTIONS BETWEEN TICKS AND MOOSE, BLACK BEARS AND THEIR PARASITES. DEVELOPMENT AND MORPHOLOGY OF WILDLIFE.
ALEKSIUK MICHAEL : IMPACT OF OIL-SANDS DEVELOPMENT ON WATER AND WILDLIFE; TAILINGS POND RECLAMATION AND MANAGEMENT; ENVIRONMENTAL-MANAGEMENT; AQUATIC-ENVIRONMENTS.
BEAVEN DIANNE J : PROMOTION THROUGH EDUCATIONAL ACTIVITIES AND CHANNELS OF PUBLIC-INFORMATION, THE WISE USE, PROTECTION AND DEVELOPMENT OF RENEWABLE-RESOURCES OF SOIL, FORESTS, WATER AND WILDLIFE AND TO ENCOURAGE THE PLANTING OF TREES AS SHELTER-BELTS AND FIELD-SHELTERS.
BROUGHTON E : WILDLIFE STUDIES: HEALTH STATUS OF POPULAIONS AND INVESTIGATION OF DISEASE OUTBREAKS. CHEMICAL RESTRAINT OF WILDLIFE. DEVELOPMENT OF GUIDELINES FOR TRANSPORTATION OF WILDLIFE. ASSESSMENT OF FACILITIES TO HOUSE CITES APPENDIX I SPECIES.
FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.
GILBERTSON M : CHEMICALLY-INDUCED DISEASES IN WILDLIFE AND FISH. REGULATION OF CHEMICALS.
LOUIE ROBERT H : BIOPHYSICAL SURVEYS (SOILS, SURFICIAL GEOLOGY, VEGETATION, WILDLIFE HABITAT) IN BRITISH-COLUMBIA, AND APPLICATIONS FOR AGRICULTURE, FORESTRY, WILDLIFE AND OTHER LAND-USE-PLANNING.
MANITOBA NATURALISTS SOCIETY : FOUR ACTION COMMITTEES MONITOR THE ENVIRONMENT OF MANITOBA IN PARTICULAR, BUT ALSO STUDY NATIONAL AND INTERNATIONAL ISSUES. THEY ARE PARKS, WILDLIFE, URBAN-ENVIRONMENT AND ENVIRONMENTAL-ACTION. VARIOUS POSITION PAPERS AND BRIEFS ARE WRITTEN REGARDING ENVIRONMENTAL ISSUES AND BROUGHT FORWARD TO THE GOVERNMENT/INDUSTRY RESPONSIBLE. THESE RECENT ISSUES INCLUDE LANCASTER-SOUND, STOKES-POINT, RIDING-MOUNTAIN NATIONAL-PARK MANAGEMENT PLAN.
PEARCE P A : IMPACT OF TOXIC-CHEMICALS ON WILDLIFE, WITH PARTICULAR REFERENCE TO EFFECTS OF INSECTICIDE SPRAYING ON FOREST PASSERINES. PESTICIDE-ECOLOGY.
PIERCE T W : CANADA LAND-INVENTORY. LAND CAPABILITY FOR AGRICULTURE, FORESTRY, RECREATION, WILDLIFE (SPORTFISH, UNGULATES, WATERFOWL). MAPS, REPORTS DATA; ARCTIC COASTAL CLASSIFICATION.
PRICE IOLA : COORDINATING CANADIAN WILDLIFE SERVICE PROGRAM OF CONTACT WITH LATIN-AMERICAN WILDLIFE AGENCIES; ORNITHOLOGY: RAPTORS, LOONS, HERONS. NON-GAME PROGRAM COORDINATOR FOR CANADIAN WILDLIFE SERVICE.
REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.
REID R H : HEAD OF A CARTOGRAPHIC SERVICES UNIT PRODUCING A WIDE VARIETY OF RESOURCE MAPS (E.G. SOILS, TERRAIN, WILDLIFE, VEGETATION). WE HAVE CONVENTIONAL AND COMPUTER ASSISTED DRAFTING OPERATIONS.
ROSEBOROUGH J D : WILDLIFE ADMINISTRATION, POLICY AND PROGRAM DEVELOPMENT, RESEARCH AND TECHNOLOGICAL TRANSFER, LEGISLATION, ENFORCEMENT, USER TRAINING (FIREARM SAFETY, HUMANE TRAP-DEVELOPMENT, TEACHING, NATURALIST TRAINING), ORGANIZATIONAL STRATEGIES, COMMUNICATION WITH PUBLIC.

WILDLIFE

TAYLOR MARGARET C : FORMULATING GUIDELINES RE WATER-QUALITY OBJECTIVES FOR INLAND WATERS FOR: AQUATIC-LIFE AND WILDLIFE: RAW PUBLIC WATER-SUPPLIES: AGRICULTURE-IRRIGATION: LIVESTOCK-WATERING: RECREATION: INDUSTRY.

THOMPSON D C : LAND-RECLAMATION; WILDLIFE; IMPACT-ASSESSMENT OF INDUSTRIAL-DEVELOPMENTS.

WEAVER R S : MANAGEMENT OF RESEARCH IN THE FOLLOWING AREAS: AIR, WATER AND SOIL-ANALYSES; EFFECTS OF ENVIRONMENTAL-CONTAMINANTS IN AIR, WATER AND SOIL ON PLANTS, WILDLIFE AND DOMESTIC ANIMALS, AQUATIC VERTEBRATES AND INVERTEBRATES, AND MICRO-ORGANISMS; HAZARDOUS-WASTE DISPOSAL.

WHITTAM RF : ENVIRONMENTAL-AWARENESS PROGRAMS FOR THE GENERAL PUBLIC AND FOR SCHOOLS; PLANNING WILDLIFE INTERPRETATION-PROGRAMS, DESIGNING WILDLIFE ORIENTED DISPLAYS AND BROCHURES. MINOR RESEARCH PROJECTS IN FIELD BIOLOGY AND ECOLOGY.

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

WILDLIFE-HABITAT

GREGORY A F : PRACTICAL APPLICATIONS AND/OR RESEARCH IN SUCH ACTIVITIES AS: MONITORING SNOW, ICE AND WILDLIFE-HABITAT; FOREST-DEPLETION; REVISION OF TOPOGRAPHIC MAPS; MAPPING OF LAND-USE, CROPS AND GEOLOGICAL HAZARDS; ESTIMATION OF AGRICULTURAL PRODUCTIVITY; INVENTORY OF MINE-WASTES; MINERAL-EXPLORATION AND GEOLOGICAL MAPPING.

WILDLIFE-MANAGEMENT

HERRERO STEPHEN : RESEARCH AND PLANNING NECESSARY TO GENERATE SUSTAINABLE BENEFITS TO PEOPLE FROM CONSERVATION ORIENTED DEVELOPMENT OF RENEWABLE-RESOURCES. EXPERTISE IN WILDLIFE-MANAGEMENT AND PARK-PLANNING.

PATTIMORE J H : WILDLIFE-MANAGEMENT RESEARCH, RECREATION AND PARK RESOURCE-PLANNING AND RESOURCE INFORMATION AND PUBLIC-EDUCATION ARE OUR FIELDS OF RESEARCH AND EXPERTISE. PUBLICATIONS: FEASIBILITY OF REINTRODUCING THE SWIFT FOX TO SOUTH WESTERN MANITOBA; SNOW:OUTDOOR-EDUCATION ACTIVITY PROGRAM; LAKESHORE:OUTDOOR-EDUCATION ACTIVITY PROGRAM.

WILLOW

ANDERSON H W : BIOMASS PRODUCTIVITY AND CLONAL PROPERTIES OF HYBRID POPLAR, WILLOW AND ALDER. GROWTH, QUALITY AND REGENERATION OF HIGH VALUE HARDWOODS: SUGAR-MAPLE OR YELLOW BIRCH.

ARGUS G W : SYSTEMATICS OF SALIX (WILLOW) OF NORTH-AMERICA. RARE AND ENDANGERED-PLANTS OF CANADA.

WILTS

REYES A A : SOIL-MICROBIOLOGY, ESPECIALLY FUNGI CAUSING ROOT ROTS AND WILTS OF VEGETABLES. MY CONCERN IS TO AVOID THE USE OF CHEMICALS FOR THEIR CONTROL. RESEARCH ALSO ON STORAGE PATHOLOGY OF VEGETABLES, E.G. PREVENTION OF SOFT ROTS BY SUPPLYING STORAGE CHAMBERS WITH DIFFERENT COMBINATIONS OF GASES.

WIND

CHAPPELL M S : CO-ORDINATION OF FEDERAL-GOVERNMENT R/D ACTIVITIES IN HYDRAULIC, SOLAR, BIOENERGY, WIND, PEAT, AND FUSION ENERGY.

DAVENPORT A G : AS DIRECTOR OF THE LABORATORY CONCERNED WITH PROBLEMS OF WIND CLIMATE, WIND AND OTHER ENVIRONMENTAL LOADS ON STRUCTURES, SNOW-LOADING, DISPERSION OF POLLUTANTS. THE LABORATORY IS EQUIPPED WITH TWO MAJOR BOUNDARY LAYER WIND-TUNNELS SUITABLE FOR MODELLING OF ATMOSPHERIC-PROCESSES.

HARRINGTON JB : FOREST-METEOROLOGY: POLLUTION METEOROLOGY: AGRICULTURAL METEOROLOGY; EMPHASIS ON WIND AND DISPERSION.

HUGHES F P : USE OF BIOMASS, PARTICULARLY WOOD-FIRED DUAL-PURPOSE POWER-STATIONS USING WASTE-HEAT FOR DISTRICT HEATING. WIND AS A POWER SOURCE.

REID JD : PLANETARY BOUNDARY-LAYER STUDIES, ESPECIALLY WIND, WIND-ENERGY, TURBULENCE, POLLUTION-DEPOSITION, AIR-WATER INTERACTION, PESTICIDE SPRAY-DRIFT, AIR-QUALITY MODELLING, AIRFLOW MODELLING.

RUTHERFORD I D : NUMERICAL WEATHER ANALYSIS AND PREDICTION; WEATHER FORECASTING TECHNIQUES DEVELOPMENT; MODELLING OF WEATHER, SEA-STATE AND SEA (OR LAKE) ICE; STATISTICAL TECHNIQUES; SATELLITE-METEOROLOGY; WIND ENGINEERING AND WIND ENERGY.

WARDLAW R L : THE EARTH'S SURFACE WIND IS SIMULATED IN LABORATORY WIND-TUNNELS FOR STUDYING URBAN WIND CLIMATE PROBLEMS AND THE EFFECT OF WIND ON BUILDINGS, BRIDGES, SURFACE VEHICLES AND OFFSHORE STRUCTURES.

WIND-ENERGY

REID JD : PLANETARY BOUNDARY-LAYER STUDIES. ESPECIALLY WIND. WIND-ENERGY. TURBULENCE. POLLUTION-DEPOSITION. AIR-WATER INTERACTION. PESTICIDE SPRAY-DRIFT. AIR-QUALITY MODELLING. AIRFLOW MODELLING.

SOUTH P : WIND-ENERGY RESEARCH, DEVELOPMENT, AND PRODUCTION. EVALUATION OF NEW CONCEPTS.

WIND-ENVIRONMENT

FAZIO P : BUILDING SCIENCE. BUILDING ENVIRONMENT, BUILDING STRUCTURES AND CONSTRUCTION MANAGEMENT INCLUDING COMPUTER-AIDED BUILDING DESIGN. IN THE AREA OF BUILDING ENVIRONMENT WORK IS CONCENTRATED ON THE THERMAL-ENVIRONMENT, LIGHTING, ACOUSTICS AND WIND-ENVIRONMENT AROUND BUILDINGS.

WIND-PROFILES

MATHEWS TITUS : ACOUSTIC REMOTE-SENSING OF THE ATMOSPHERE USING MONOSTATIC AND DOPPLER-SODARS TO MEASURE TURBULENCE AND WIND-PROFILES TO STUDY CHINOOK AND OTHER MESOSCALE PHENOMENA.

WIND-SENSORS

NETTERVILLE DDJ : PLUME-RISE AND DISPERSION; ATMOSPHERIC TURBULENCE; DOPPLER ACOUSTIC REMOTE WIND-SENSORS; AIR-POLLUTION CONCENTRATION FLUCTUATIONS AND THEIR STATISTICAL DESCRIPTION; AUTOMATED AIR-POLLUTION EARLY-WARNING-SYSTEMS.

WINNIPEG

WOTTON DAVE : LEAD: DEPOSITION AND ACCUMULATION IN URBAN SOILS, CITY OF WINNIPEG - EMISSIONS OF LEAD FROM SECONDARY LEAD SMELTERS, AUTOMOBILE-EXHAUST, AND PAINT DEBRIS. STUDIES HAVE INCLUDED A RESIDENTIAL AREA SURROUNDING SECONDARY LEAD SMELTER, CITY BOULEVARD SURVEYS, SCHOOLS, AND SURVEYS OF URBAN CENTRES THROUGHOUT THE PROVINCE.

WINTER

ADAM KENNETH M : SOIL AND WATER: IRRIGATION, DRAINAGE AND GROUNDWATER. MANAGEMENT OF WATER-TABLES AND EFFECTS ON CROP-PRODUCTION. SNOW-AND-ICE ROADS (WINTER ROADS) AND RUNWAYS IN BOTH ARCTIC AND ANTARCTICA.

BARICA IAN DR : LIMNOLOGY OF HYPERTROPHIC LAKES: NUTRIENT AND OXYGEN REGIMES,FORMATION OF ALGAL-BLOOMS; CYANOPHYTA ECOLOGY, ALGAL CONTROL, PREDICTIONS OF LAKE-PRODUCTIVITY; CAUSES AND REMEDIES OF MASSIVE FISH MORTALITIES (SUMMER AND WINTER FISH-KILLS).

KENNEY B C : PHYSICAL LIMNOLOGY OF PRAIRIE LAKES INCLUDING ASPECTS OF AIR-WATER INTERACTION, MIXING AND TURBULENCE, SEDIMENT RESUSPENSION AND LARGE SCALE LAKE-CIRCULATION. EUTROPHICATION AND PHOSPHORUS DYNAMICS MODELS. WATER-CIRCULATION UNDER WINTER ICE.

WIREWORMS

DOANE JF : BIOLOGY, BEHAVIOUR AND CONTROL OF WIREWORMS, GROUNDBEETLES AND OTHER SOIL INSECTS. IMPACT OF PESTICIDES ON NON-TARGET ORGANISMS PARTICULARLY IN CROP-ECOSYSTEMS.

WOOD

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

CECH M Y : WOOD-MOISTURE RELATIONSHIPS, DEVELOPMENT OF DRYING STRESSES, MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING, DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD, INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA, DRYING BY DEHUMIDIFICATION, ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

KEITH C T : SPECIES IDENTIFICATION OF WOOD BY ANATOMICAL-STRUCTURE FOR SCIENTIFIC, FORENSIC, OR ARCHAEOLOGICAL PURPOSES. RELATION OF WOOD ANATOMY TO PROPERTIES AND UTILIZATION CHARACTERISTICS OF WOOD. WOOD QUALITY, GROWTH RELATIONS.

SADDLER J N : BIOTECHNOLOGY RESEARCH INTO THE CONVERSION OF WOOD AND AGRICULTURAL RESIDUES TO SUGARS, FUELS AND CHEMICALS. UTILIZATION OF LIGNIN FOR FOAMS AND ADHESIVES. SCREENING FOR CELLULOYTIC FUNGI ENZYME KINETIS, MOLECULAR BIOLOGY OF CELLULOLYTIC MICROORGANISMS, FERMENTATION OF SUGARS TO ALCOHOLS.

WOOD

SMITH R S : WOOD PRODUCTS PATHOLOGY AND BIODETERIORATION. CONTROL OF STAIN, MOULD AND DECAY ON LUMBER USING CHEMICALS. WOOD PRESERVATION ENVIRONMENTAL PROTECTION. STANDARDS DEVELOPMENT.

SWAN E P : RESEARCH IN THE CHEMISTRY OF EXTRACTIVES FROM WOOD, BARK, AND FOLIAGE FROM WESTERN CONIFERS. APPLICATIONS TO COMMERCIAL PROCESSES SUCH AS SPECIES-IDENTIFICATION.

WOOD-MOISTURE

CECH M Y : WOOD-MOISTURE RELATIONSHIPS. DEVELOPMENT OF DRYING STRESSES. MECHANICAL PRETREATMENT TO INCREASE PERMEABILITY IN WOOD PRESERVATION AND/OR DRYING. DEVELOPMENT OF TREATMENT TO PREVENT ENZYMATIC TYPES OF STAIN IN WOOD. INITIATED HIGH-TEMPERATURE DRYING PROCESS FOR CONSTRUCTION LUMBER IN CANADA. DRYING BY DEHUMIDIFICATION. ECONOMICS AND ENERGY REQUIREMENTS IN LUMBER-DRYING. TROUBLE SHOOTING, AND TRAINING OF KILN-OPERATORS AND QUALITY CONTROL PERSONNEL.

WOOD-PRESERVATION

MATHUR V N P : EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

WOOD-PRODUCTS

FORINTEK CANADA CORP : RESEARCH, DEVELOPMENT AND TESTING SERVICES FOR CANADA'S SOLID WOOD-PRODUCTS INDUSTRIES.

MATHUR V N P : EXPERTISE IN FOREST-PRODUCTS. EXTENSIVE EXPERIENCE IN ALL PHASES OF FOREST UTILIZATION, TECHNOLOGY-TRANSFER, CODES AND STANDARDS ACTIVITY IN WOOD-PRESERVATION, SEASONING, SAWMILLING AND COMPOSITE WOOD-PRODUCTS, E.G. WAFERBOARDS.

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

WALDEN DR C C : A REVIEW PAPER: THE TOXICITY OF PULP AND PAPERMILL EFFLUENTS AND CORRESPONDING MEASUREMENT PROCEDURES. THE NATURE AND MAGNITUDE OF THE EFFECT OF KRAFT MILL-EFFLUENTS ON SALMON. MICROBIOLOGICAL TREATMENT PARAMETERS OF BLEACHED KRAFT PULPMILL EFFLUENTS. ATTACKS ON WOODEN STRUCTURES BY MARINE BORERS. BACTERIAL LEACHING OF MINE-DEPOSITS TO RELEASE METALS. TOXICITY OF CU COMPOUNDS TO SNAIL HOSTS OF SCHISTOSOMES. WOOD-PRODUCTS RESEARCH.

WOOD-WASTES

ROBERTSON W : DETECTION AND IDENTIFICATION OF INDICATOR AND PATHOGENIC MICROORGANISMS IN FRESH AND MARINE-WATERS. FERMENTATION OF CROP AND WOOD-WASTES TO PRODUCE RUMINANT FEEDS. UTILIZATION OF MYCORRHIZAL FUNGI TO INCREASE CROP PRODUCTIVITIES.

WOODS

KUSHNER D J : MICROORGANISMS IN EXTREME ENVIRONMENTS. BIODEGRADATION OF CELLULOSE AND OTHER CONSTITUENTS OF WOODS. BIODEGRADATION OF PETROLEUM AND ALKANES. ACTION OF HEAVY-METALS ON MICROORGANISMS AND OF MICROORGANISMS ON HEAVY-METAL.

SUGDEN E A N : UTILIZATION OF FOREST RESOURCES FOR FOREST-PRODUCTS INCLUDING PULP, PAPER, COMPOSITE WOODS AND SOLID WOOD-PRODUCTS. TEACHING AND TRAINING OF TECHNOLOGISTS IN PULP-AND-PAPER ENGINEERING.

WOODWASTE-DEGRADATION

JONGEJAN A : THE USE OF THE MICROBIAL WOODWASTE-DEGRADATION PROCESS AND/OR THE CONVERSION OF MUNICIPAL-WASTES INTO COMPOST FOR ACID MINE-WATER POLLUTION-ABATEMENT.

WOODY-PLANT

ADDISON P A : AIR-POLLUTION, PARTICULARLY SULPHUR-DIOXIDE AND ELEMENTAL SULPHUR; EFFECTS ON BOREAL AND MONTANE FOREST-SYSTEMS INCLUDING MONITORING. INJURY ASSESSMENT AND BASIC RESEARCH. INFLUENCE OF ACID-EMISSIONS AND METALS ON WOODY-PLANT PHYSIOLOGY AND SOIL-PLANT INTERACTIONS.

WORK-ENVIRONMENT

SANDERSON H P : ENVIRONMENTAL HEALTH. RESEARCH IN ATMOSPHERIC-CHEMISTRY, ORGANIC AND INORGANIC. OCCUPATIONAL-HEALTH AND WORK-ENVIRONMENT. CRITERIA DOCUMENTATION; STANDARDIZATION METHODOLOGY, ETC.

WORK-PLACE

KNIGHT G K : AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

PANT BC : PARTICULATE AND GAS-FILTRATION SYSTEMS TO ELIMINATE POLLUTANTS SUCH AS CORROSIVE, ODOROUS AND TOXIC-GASES FROM WORK-PLACE ENVIRONMENT.

WORKER

SOLES DR JA : CHARACTERIZATION AND IDENTIFICATION OF HAZARDOUS MINERALS IN THE WORKING ENVIRONMENT. IDENTIFICATION OF INORGANIC PHASES IN LUNG TISSUE OF A WORKER FROM THE LABRADOR MINING AREA, NEWFOUNDLAND.

WORKPLACE

DRANITSARIS P : IDENTIFICATION, EVALUATION AND RECOGNITION OF CHEMICAL AND PHYSICAL STRESSES AND HAZARDS ARISING IN THE WORKPLACE AND LEADING TO INCREASED MORTALITY; MORBIDITY AND ADVERSE HEALTH EFFECTS.

WORLD

BOWEN MURRAY G : COLLECTING, EVALUATING, ANALYZING AND REPORTING INFORMATION ON FOREST-RESOURCES OF CANADA AND THE USA AND REST OF THE COUNTRIES OF THE WORLD THAT HAVE SIGNIFICANT FOREST-RESOURCES AND/OR FOREST-MANAGEMENT PRACTICES AND THEIR TRADE IN FOREST-PRODUCTS.

HAMMER T : LIMNOLOGICAL RESEARCH ON EUTROPHICATION (QU'APPELLE RIVER SYSTEM, SASKATCHEWAN), PRIMARY PHYTOPLANKTON PRODUCTIVITY, AND PHYSICAL, CHEMICAL AND BIOLOGICAL LIMNOLOGICAL STUDIES ON SALINE-LAKES IN ALBERTA AND SASKATCHEWAN AND VICTORIA, AUSTRALIA. PRESENTLY WRITING A BOOK ON WORLD SALINE-LAKE ECOSYSTEMS.

HARRIS P : BIOLOGICAL CONTROL OF WEEDS. SPECIFICALLY INVOLVED WITH THE CONTROL OF CARDUUS SPP. CENTAUREA SPP., EUPHORBIA SPP. AND SENECIO-JACOBAEA IN CANADA BUT HAVE A BROAD INTEREST IN THE APPLICATION OF BIOCONTROL OF WEEDS THROUGHOUT THE WORLD AS WELL AS IN THE THEORY AND REGULATION OF THE METHOD.

MORTON F I : SUCCESSFUL RESEARCH ON DEVELOPMENT & VERIFICATION OF A TECHNIQUE THAT PROVIDES RELIABLE OPERATIONAL ESTIMATES OF AREAL EVAPOTRANSPIRATION OR LAKE EVAPORATION FROM ROUTINE CLIMATOLOGICAL OBSERVATIONS IN MANY WIDELY DIFFERING ENVIRONMENTS THROUGHOUT THE WORLD.

VEEMAN T S : WATER-RESOURCES POLICY. LAND-USE POLICY. WORLD FOOD PROBLEM. ENVIRONMENTAL AND RESOURCE ECONOMICS.

WONG H R : THE SYSTEMATIC STUDY OF THE SAWFLIES (HYMENOPTERA: SYMPHYTA) OF THE WORLD WITH SPECIAL REFERENCE TO THE ARCTIC AND PALAEARCTIC SPECIES. BIOLOGICAL STUDIES OF FOREST-INSECTS IN CENTRAL CANADA.

X-RAY

BROWN JR : ENVIRONMENTAL GEOCHEMISTRY (GLOBAL TRACE-ELEMENT CYCLING): U-TH-RA IN TAILINGS; HG IN PULP-AND-PAPER INDUSTRY. ANALYTICAL (SPECTROSCOPIC) TECHNIQUES INCLUDING ATOMIC-ABSORPTION HGA; SURFACE ANALYSIS BY X-RAY PHOTOELECTRON (ESCA/XPS) AND AUGER ELECTRON (AES) TECHNIQUES.

CHILIBECK J J : INORGANIC ANALYSIS BY X-RAY FLUORESCENCE; PLASMA EMISSION; ATOMIC ABSORPTION, GAS, LIQUID AND ION CHROMATOGRAPHY; U.V.-V.I.S. SPECTROPHOTOMETRY; U.V. FLUORIMETRY; POLAROGRAPHY ELECTRODEPOSITION AND FIRE-ASSAYING. DEVELOPED SEMIINTEGRAL ANODIC STRIPPING.

X-RAY-DIFFRACTION-ASSESSMENT

KNIGHT G K : AIRBORNE-DUST IN MINES. MEASUREMENT PRODUCTION CONTROL, X-RAY-DIFFRACTION-ASSESSMENT OF QUARTZ IN MINE AIRBORNE-DUST. RESPIRABLE DUST-SAMPLING IN THE WORK-PLACE.

XENOBIOTICS

BEAMISH F W H : ECOLOGY AND PHYSIOLOGY OF TELEOSTS AND CYCLOSTOMES. BIOENERGETICS AND NUTRITION OF SALMONIDS. SUBLETHAL EFFECTS OF XENOBIOTICS ON FISHES.

XENOBIOTICS

MARKS GERALD S : STUDIES OF THE EFFECTS OF XENOBIOTICS SUCH AS POLYCHLORINATED-BIPHENYLS, HEXACHLOROBENZENE, ETC. ON THE HEPATIC HEME BIOSYNTHETIC PATHWAY. STUDIES ARE CARRIED OUT IN CHICK EMBRYO LIVER AND ARE DIRECTED TO THE MECHANISM BY WHICH XENOBIOTICS AFFECT THE HEME BIOSYNTHETIC PATHWAY.

NAKATSU K : LABORATORY WORK RE THE DISPOSITION OF DRUGS AND OTHER XENOBIOTICS IN BIOLOGICAL SYSTEMS. THE ANALYTICAL METHODS USED ARE HPLC, GC AND GC-MS.

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

YEAST

NASIM A : MECHANISMS OF MUTATION IN YEAST, ENVIRONMENTAL MUTAGENESIS AND CARCINOGENESIS TRANSPOSABLE ELEMENTS.

YEASTS

KWASNIEWSKA K : TOXICITY AND BIODEGRADATION ASSESSMENT OF TOXIC ORGANIC SUBSTANCES SUCH AS PESTICIDES, HERBICIDES, FUNGICIDES ETC. WITH PRIORITY LIST OF CHEMICALS: PHENOL AND SUBST. PHENOLS, PCBS, ANILINES AND SUBST. ANILINES, 2,4-D AND TENITROTHION USING YEASTS OR YEAST-LIKE FUNGI.

MCDONALD I J : CONTINUOUS (CHEMOSTAT) CULTURE OF MICRO-ORGANISMS. STUDIES ON THE INFLUENCE OF ENVIRONMENTAL CONDITIONS ON THE GROWTH, PHYSIOLOGY AND METABOLISM OF BACTERIA AND YEASTS AND ON THE FORMATION OF USEFUL PRODUCTS (E.G. ETHANOL, METHANE, ENZYMES, MACROMOLECULES, ETC.).

PHIPPS JENNY : MECHANISMS INVOLVED IN GENETIC TOXICITY OF XENOBIOTICS WITH SPECIAL INTEREST IN HEAVY-METALS AND THEIR ORGANIC DERIVATIVES. YEASTS, BACTERIA, MAMMALIAN CELLS IN CULTURE ARE USED FOR TESTING.

YIELD

ALEMDAG IS : FOREST-MENSURATION (GROWTH AND YIELD) AND FOREST-MANAGEMENT. SITE INDEXES. VOLUME AND YIELD-TABLES. GROWTH-ESTIMATES AND MANAGEMENT TECHNIQUES. METHODS OF ESTIMATING BIOMASS OF TREES AND STANDS.

BARKER DJ : PRACTICAL APPLICATIONS OF ECOLOGICAL CLASSIFICATION. SILVICULTURE PLANNING AND IMPLEMENTATION, INCLUDING REFORESTATION, STAND-TENDING AND REHABILITATION. WOOD RELATED INVENTORIES: BIOMASS; SAWN AND PULP PRODUCTS; FUELWOOD. FOREST-MANAGEMENT PLANNING; TIMBER YIELD ANALYSIS BY COMPUTER.

KIMMINS J P : ENVIRONMENTAL-IMPACT OF FOREST-MANAGEMENT. FOREST ECOSYSTEM FUNCTIONS. BIOMASS AND NUTRIENT-CYCLING, PRODUCTIVITY. COMPUTER-SIMULATION MODELLING OF LONG-TERM IMPACTS OF INTENSIVE FOREST-MANAGEMENT ON YIELD AND SITE FERTILITY - FORCYTE.

VON ALTHEN F W : HARDWOOD PLANTATION ESTABLISHMENT INCLUDING SITE-PREPARATION, SOILS, SPECIES AND AGE AND SIZE AND QUALITY OF PLANTING-STOCK, PLANTING METHOD, SPECIES MIXTURES, SPACING, WEED-CONTROL, FERTILIZATION, PRUNING, THINNING, GROWTH AND YIELD.

YIELD-MODELLING

BROWN D M : AGRICULTURAL CLIMATOLOGY: CROP-GROWTH AND YIELD-MODELLING. CLIMATE STUDIES USING PROBABILITY ANALYSIS FOR ASSESSING RISK IN AGRICULTURAL-PLANNING AND LAND-USE EVALUATION.

YUKON

LEWIS CA : ENVIRONMENTAL ASPECTS OF POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT ACTIVITIES, PLANS AND PROGRAMS IN NORTHERN CANADA, YUKON AND NORTHWEST-TERRITORIES.

REID J R : ENVIRONMENTAL BASELINE MAPPING OF NORTHWEST-TERRITORIES AND YUKON. APPROXIMATELY 300 MAPS PRODUCED TO DATE INCLUDING SUPPLEMENTARY REPORTS ON FISHERIES, WILDLIFE.

YUKON-TERRITORY

IRONSIDE G R : ECOLOGICAL LAND-CLASSIFICATION, INTEGRATED LAND RESOURCE DATA FOR LAND-USE PLANNING AND NATURAL RESOURCE MANAGEMENT. AREA OF EXPERTISE: NORTHWEST-TERRITORIES AND YUKON-TERRITORY. MEMBER OF SECRETARIAT FOR CANADA COMMITTEE ON ECOLOGICAL LAND-CLASSIFICATION.

ZAIRE

FILION FL : CONSULTANT TO INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE (IUCN) RE WILDLIFE UTILIZATION IN ZAIRE AND ITS IMPORTANCE IN NATIONAL CONSERVATION STRATEGY. PROJECT LEADER FOR CANADIAN FEDERAL/PROVINCIAL SURVEY OF POPULATION ON THE IMPORTANCE OF WILDLIFE (BOTH NATIVE AND NON-NATIVE HUMAN-POPULATIONS. PROJECT LEADER/ADVISOR FOR VARIOUS SOCIO-ECONOMIC STUDIES FOCUSSING ON INTERACTIONS BETWEEN WILDLIFE HABITAT AND PEOPLE IN ORDER TO GUIDE SENIOR DECISION AND POLICY-MAKING.

ZINC

MCKEOWN B A : ENVIRONMENTAL TOXICANTS OF FISH. HEAVY-METALS (ZINC, MERCURY, ALUMINUM), OIL, OIL DISPERSANTS, PESTICIDES, ACID-PRECIPITATION.

ZN

ARNAC MICHEL-JEAN : CONTAMINATION D'ORGANISMES MARINS PAR LES METAUX (CD, CA, PB, ZN). DISTRIBUTION DANS LES TISSUS ET LES ORGANES. ASSOCIATION AVEC LES PROTEINES-SOLUBLES.

JERVIS R E : HEAVY-METALS IN ENVIRONMENT, ESPECIALLY PB, HG, CD, ZN, AS. ACCURATE MEASUREMENT IN ECOSYSTEMS BY RADIOANALYTICAL TECHNIQUES; MULTIELEMENT CHARACTERIZATION OF AEROSOLS INCLUDING FROM FOSSIL FUEL COMBUSTION AND PROCESSING; DEVELOPMENT OF BIOINDICATORS TO MEASURE HUMAN UPTAKE OF INORGANIC CONTAMINANTS; DISPERSION OF RADIONUCLIDES FROM NUCLEAR-PLANTS.

ZOOGEOGRAPHIC

MORGAN A V : FOSSIL INSECT RESEARCH, USING COLEOPTERA (BEETLES) TO ASSIST IN THE INTERPRETATION OF RATE AND SCALE OF CLIMATIC CHANGE, PARTICULARLY DURING THE LAST INTERGLACIAL TO PRESENT. PALEOECOLOGY AND ZOOGEOGRAPHIC SHIFTS ARE ALSO STUDIED.

ZOOGEOGRAPHY

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES; ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.

ZOOLOGY

ZAMMUTO R M : RELATIONSHIPS BETWEEN VARYING ENVIRONMENTAL CONDITIONS AND LIFE-HISTORIES OF BIRD AND MAMMAL POPULATIONS IN MONTANE AREAS. TERRESTRIAL-ECOLOGY, ZOOLOGY, SURVIVAL, WILDLIFE, NON-GAME, REPRODUCTION, ORNITHOLOGY, WEATHER, BIOMETEOROLOGY, BIOMETRICS, BOREAL, CLIMATE, CONSERVATION, METEOROLOGY.

ZOOPLANCTON

PINEL-ALLOUL BERNADETTE : ECOLOGIE-AQUATIQUE; ZOOPLANCTON; INTERACTIONS TROPHIQUES. PHYTO-ZOOPLANCTON. ECOTOXICOLOGIE: EFFETS DES METAUX-LOURDS ET DES POLLUANTS ASSOCIES AUX SEDIMENTS SUR LE ZOOPLANCTON. ENVIRONNEMENT: EFFETS DE LA MISE EN EAU DES RESERVOIRS NORDIQUES SUR LE ZOOPLANCTON ET LE SESTON.

ZOOPLANKTON

DABORN G R : ESTUARINE-PRODUCTIVITY; NURSERY ROLE OF ESTUARIES FOR FISH; ENVIRONMENTAL-IMPACT OF CAUSEWAYS AND BARRAGES; BIOLOGY OF SALINE-LAKES. SEWAGE-TREATMENT SYSTEMS; ZOOPLANKTON AND FISH-BIOLOGY; MACROTIDAL TURBID ESTUARIES; TIDAL-POWER; NEUSTON BIOLOGY.

DADSWELL MICHAEL JOHN : ECOLOGY OF ANADROMOUS FISHES, OCEAN MIGRATION, LOW HEAD TURBINES TIDAL-POWER. STURGEON, LIMNOLOGY (ZOOPLANKTON) CRUSTACEAN TAXONOMY (MYSIDS, DECAPODS, AMPHIPODS).

GRAINGER E H : ARCTIC MARINE ZOOPLANKTON DISTRIBUTION AND ECOLOGY. COMPOSITION AND BIOLOGY OF THE ARCTIC SEA ICE FAUNA.

HARDING G C H : LARVAL ECOLOGY OF NORTH-AMERICAN LOBSTER. THE VERTICAL MIGRATION OF ZOOPLANKTON. THE DYNAMICS OF ORGANOCHLORINES IN MARINE ZOOPLANKTON.

MALY EJ : FACTORS AFFECTING DISTRIBUTION AND ABUNDANCE OF ZOOPLANKTON: PHYSICAL-CHEMICAL FACTORS, COMPETITION, PREDATION, BEHAVIOUR.

MCMAHON J W : LOW GRADE HEAT IN THE AQUATIC-ENVIRONMENT: ALGAE AND ZOOPLANKTON PRODUCTIVITY. FEEDING BEHAVIOUR IN AQUATIC ORGANISMS. TRACE-METALS IN LAKES. BIOACCUMULATION OF RADIOACTIVE ELEMENTS.

ZOOPLANKTON

STEWART D BRUCE : BIOLOGICAL AND LIMNOLOGICAL INVENTORY OF LAKES IN THE NORTHWEST TERRITORIES: ZOOGEOGRAPHY, ECOLOGY, LIFE-HISTORY, AND PARASITISM OF ARCTIC FRESHWATER, ANADROMOUS, AND MARINE FISHES; ZOOPLANKTON, PHYTOPLANKTON, AQUATIC INSECTS, AND WATER-CHEMISTRY OF ARCTIC-LAKES; PHOTOGRAPHIC RECORD.